

# Service Manual

Version 1.0 - english

## Audio 30 Export 3301



- *Circuit diagram*
- *Components schematics*
- *User,- Servicemenü*
- *Anti-theft Device*
- *Technical Data*
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**RESET-release MB-MY98**

**A** and **B** and **C** press simultaneously

Action: Sound source will be interrupted for app. 1 second and display set up again.

**Test programme MB-MY98**

<b>1</b> and <b>2</b> press simultaneously	→	BRA BECKER	Becker-Test mode is activated
after			
<b>3</b> press once	→	SIG 10 89.5	f. e. 10 = Field strength f. e. 89.5 = Frequency (MHz)
<b>3</b> press twice	→	TVP 2	Increase TA Settings: 0-1-2-3 select with  , 
<b>3</b> press 3 times	→	ECE 100 9	100 = Grid FM 9 = Grid AM
<b>3</b> press 4 times	→	TYP BE 3301	
<b>3</b> press 5 times	→	SER W1015052	
<b>3</b> press 6 times	→	SW 40/98	Display: actual software version
<b>3</b> press 7 times	→	END TESTMODE	after 5 seconds test programme will be quit automaticly

## Entering the code number

Using the buttons of the right-hand control panel enter each number of the digital code.

After entering the correct numerical code, confirm by pressing one of the button ,

, , or .



## Removing/inserting the mobile operating panel

The release button has to be pressed and then the operating panel can be removed to the front. The radio unit cannot be operated unless the left operating panel is fitted in position.

Place the operating panel into the latch and lock this by gentle pressing

Release button

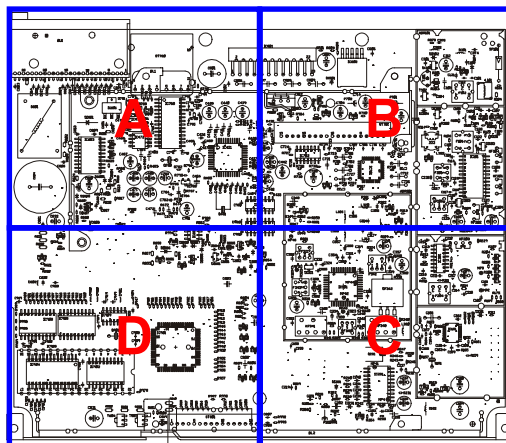


**Technical Data**

Wave bands:	FM 87,5 MHz - 108 MHz AM 531 kHz - 1602 kHz LW 153 kHz - 282 kHz SW 5900 kHz - 6250 kHz
Station memory:	10 stations can be stored for each of the wave bands FM, AM, LW und SW
Frequency range:	50 Hz - 16 kHz Cassette 30 Hz - 15 kHz FM 50 Hz - 2,5 kHz AM, LW, SW
Automatic storage:	FM, MW, LW
Output power:	4 x 15 Watt
Line cross section:	min. 0,75 mm <sup>2</sup>
Speaker Impedance :	min. 4 Ohm
GAL:	fixed defined volume increase
Antenna:	Impedance 50 Ohm
Telephone mute:	Low active level < 2 Volt
Supply voltage:	12 Volt
Tape deck:	Autoreverse, electronical control (Full Logic Control) Titel search forward/rewind automatic skip-blank after app. 8-15 seconds
Telephone:	Telephone operation about Radio
Soundsystem:	Connection only via D2B optical interface
CD connection:	Only MB-CD changers with D2B optical interface can be connected.
Playable CD's:	Only CDs which conform to DIN EN 60908 may be used. The use of 8 cm CDs with adapter is not recommended.

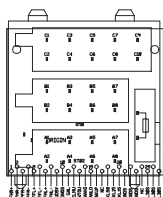
## Components schematics 4010

Main Board; BS - 04MJ - .....	2
Main Board; BS - 04MJ - part A .....	3
Main Board; BS - 04MJ - part B .....	4
Main Board; BS - 04MJ - part C .....	5
Main Board; BS - 04MJ - part D .....	6



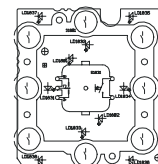
## Components schematics 4040

Connector ; BS - 08HJ - .....	7
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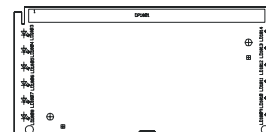
## Components schematics 9060

Keyboard left; BS/LS - 20LK - .....	8
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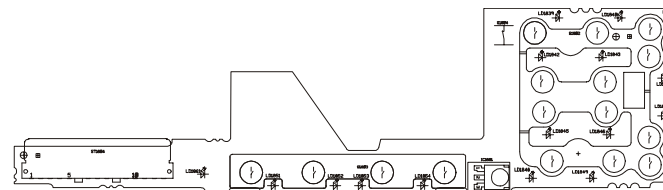
## Components schematics 9080

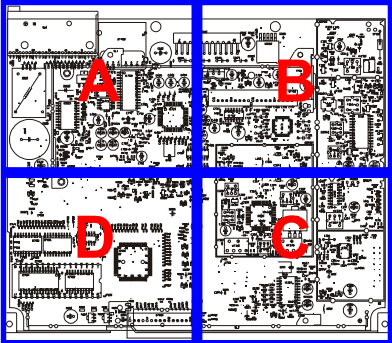
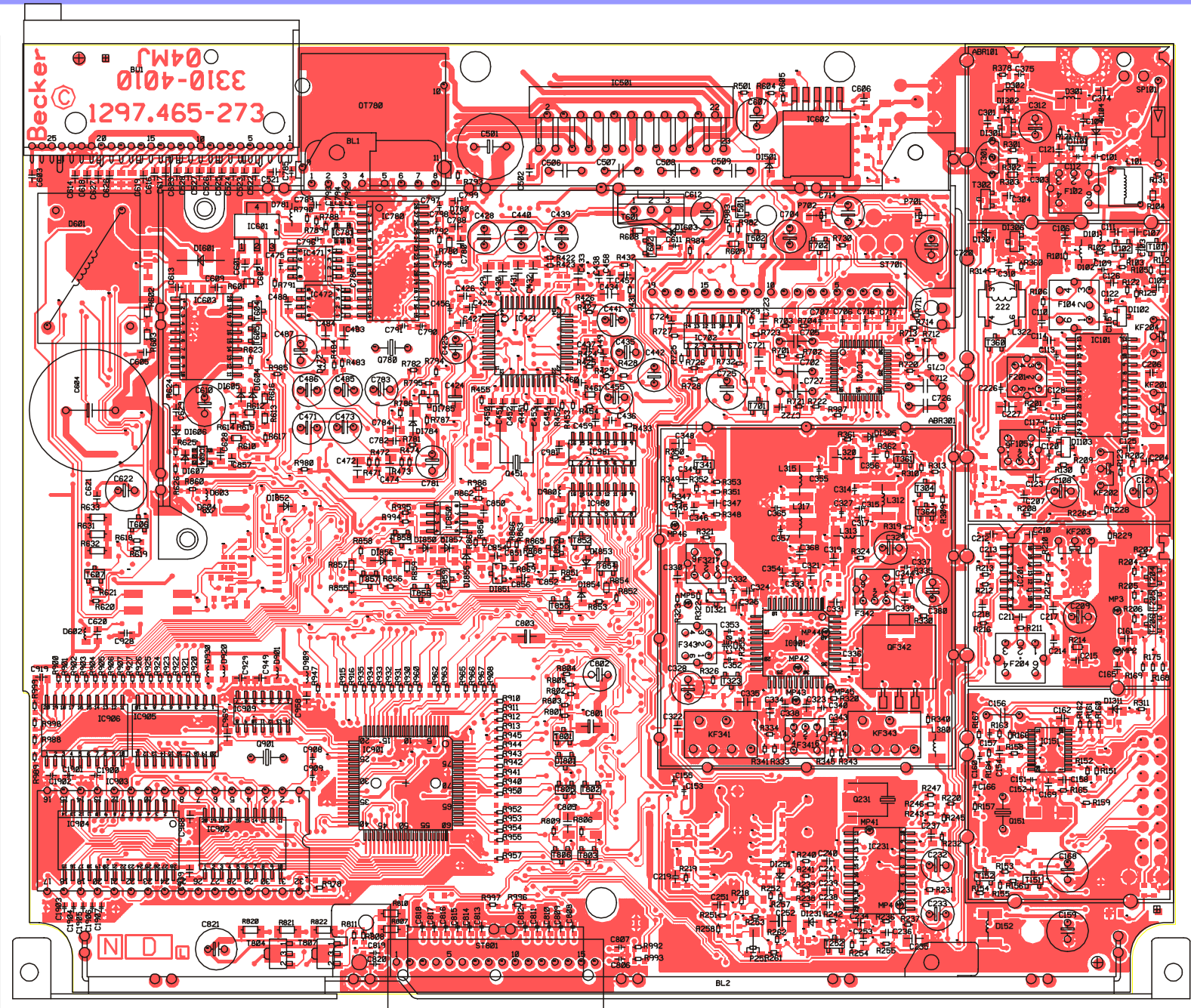
Display; BS/LS - 16GK - .....	9
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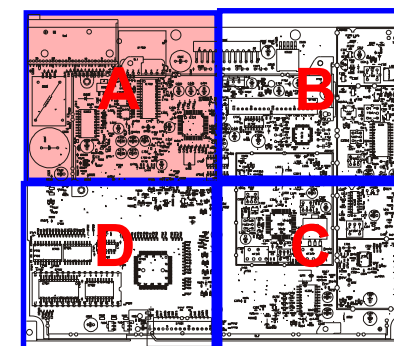


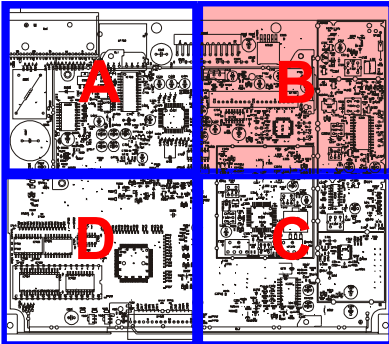
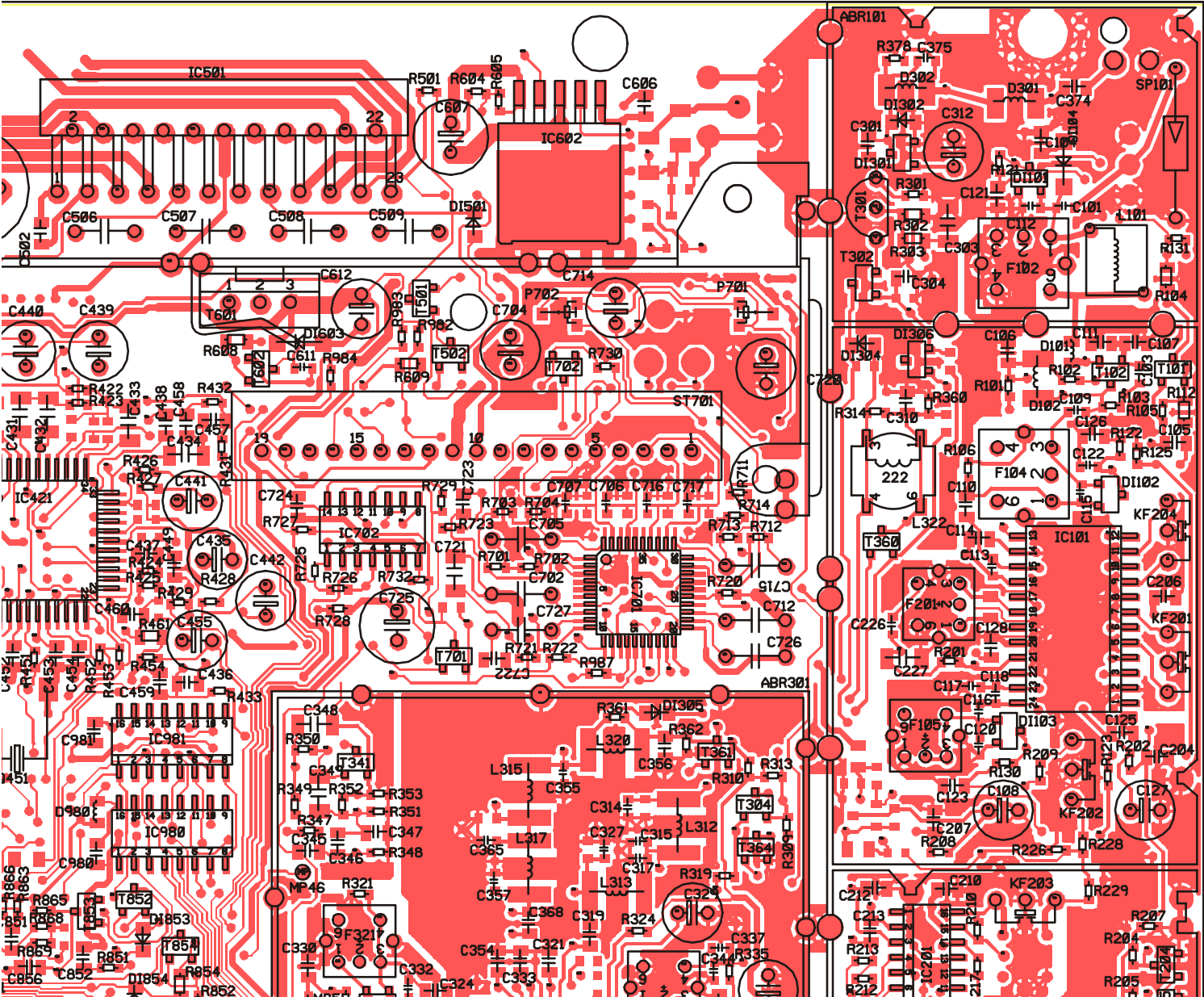
## Components schematics 9090

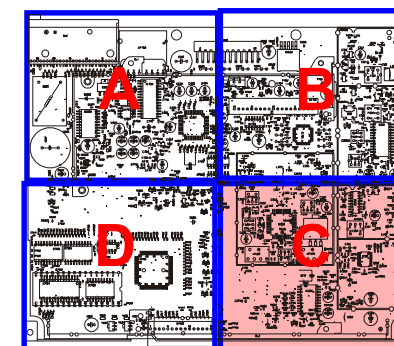
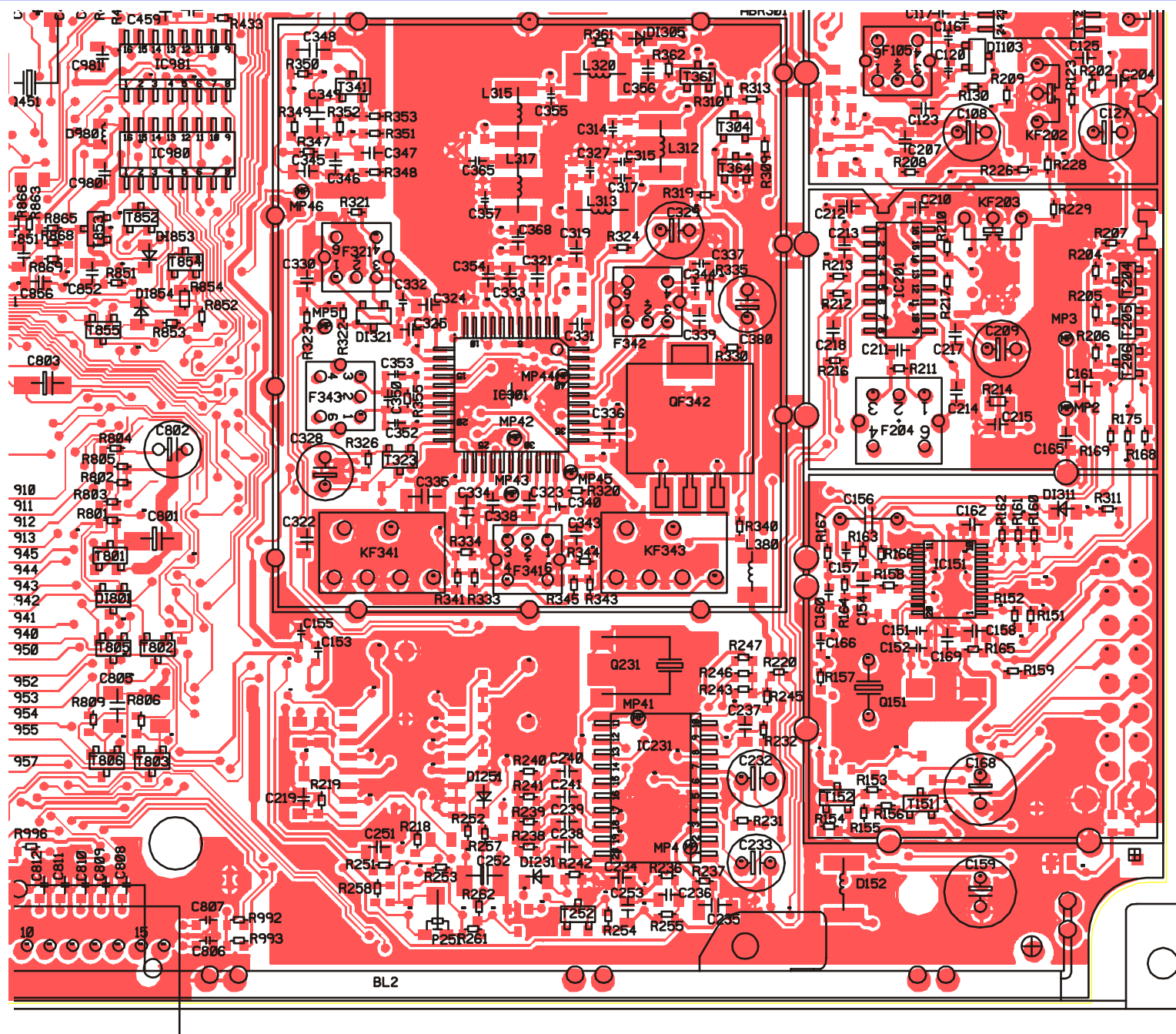
Front-□P, Keyboard central, right; BS/LS - 20LK - . 10
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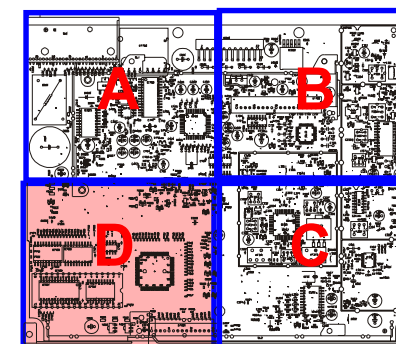
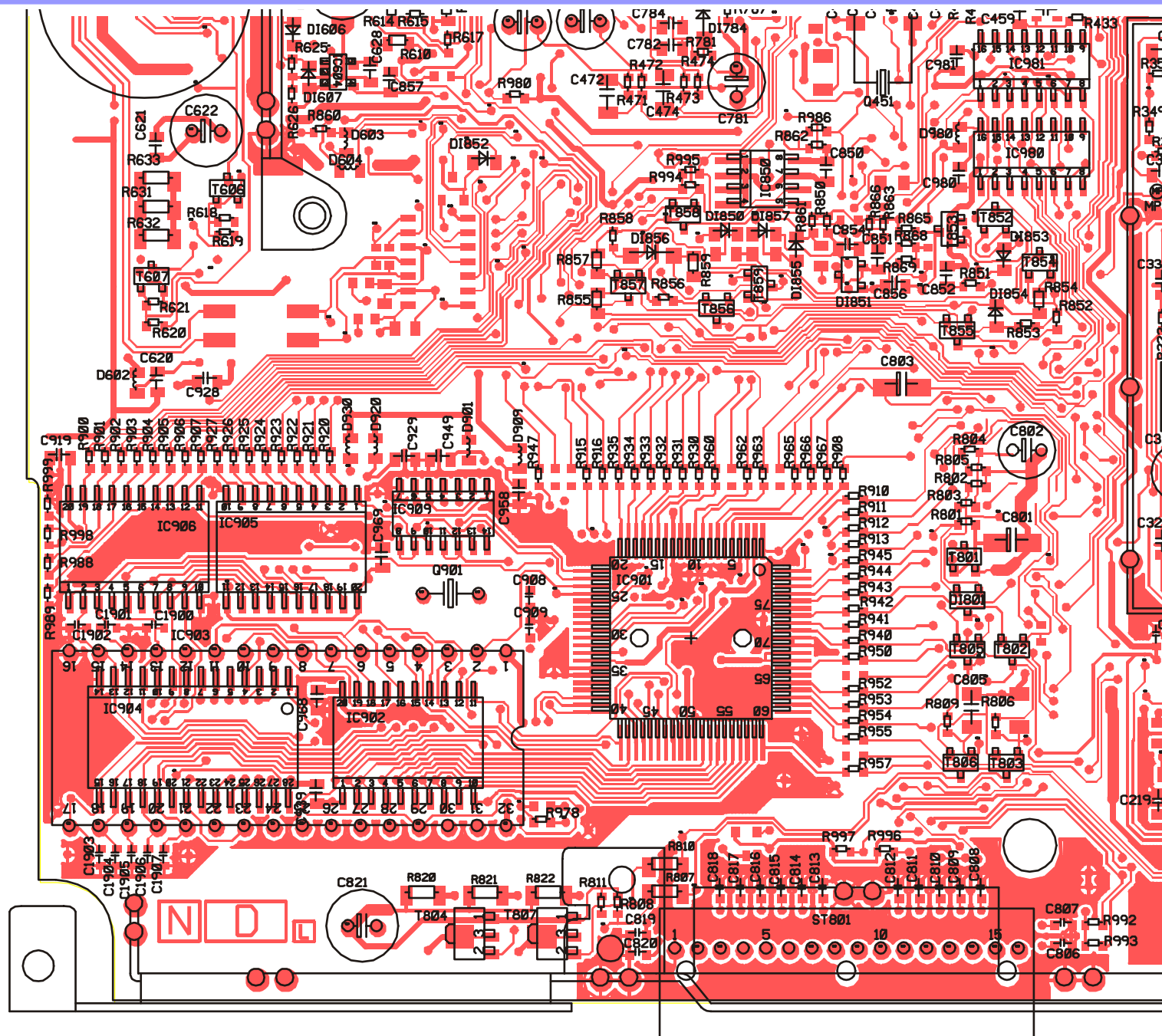


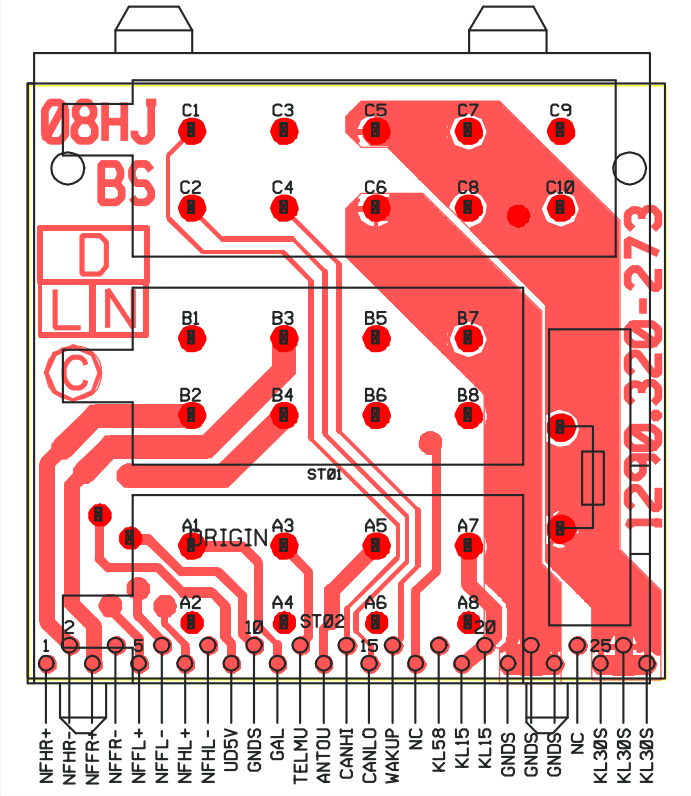


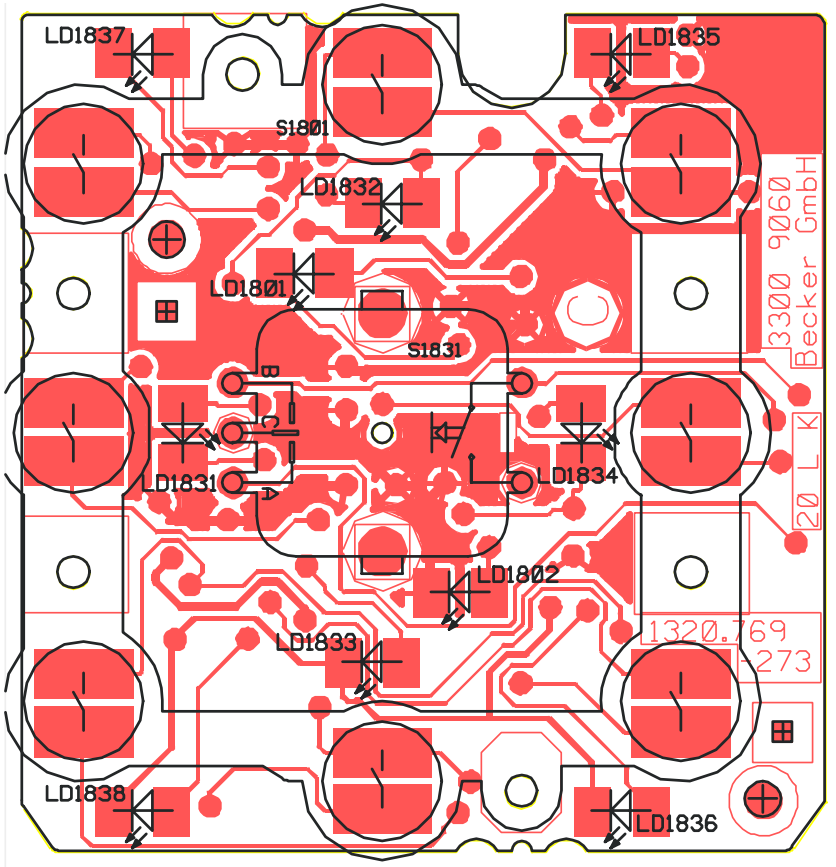




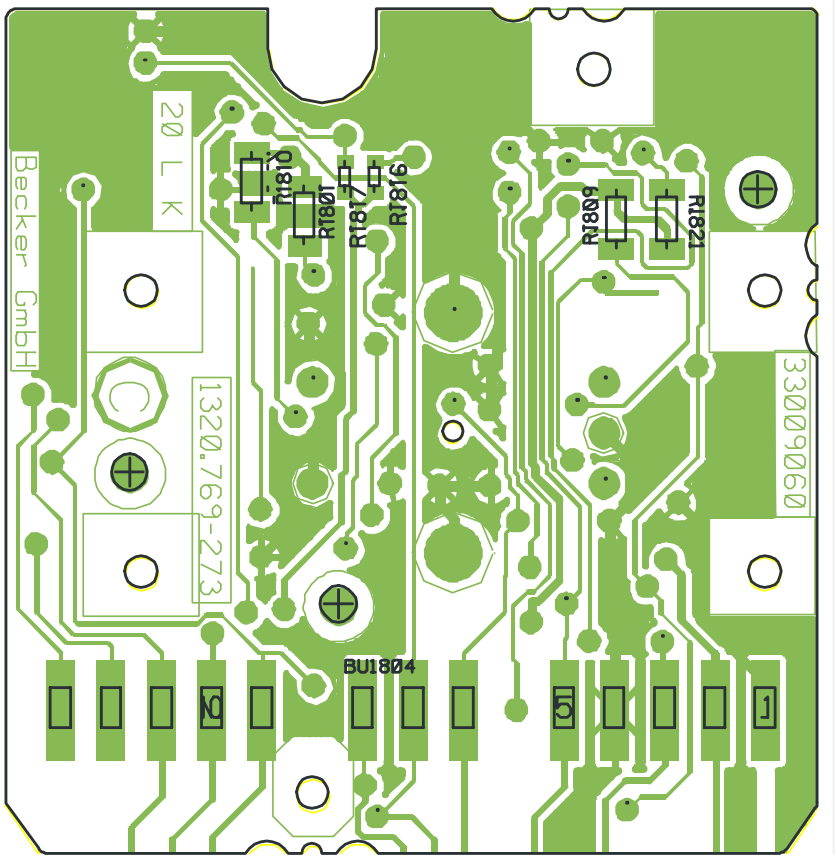






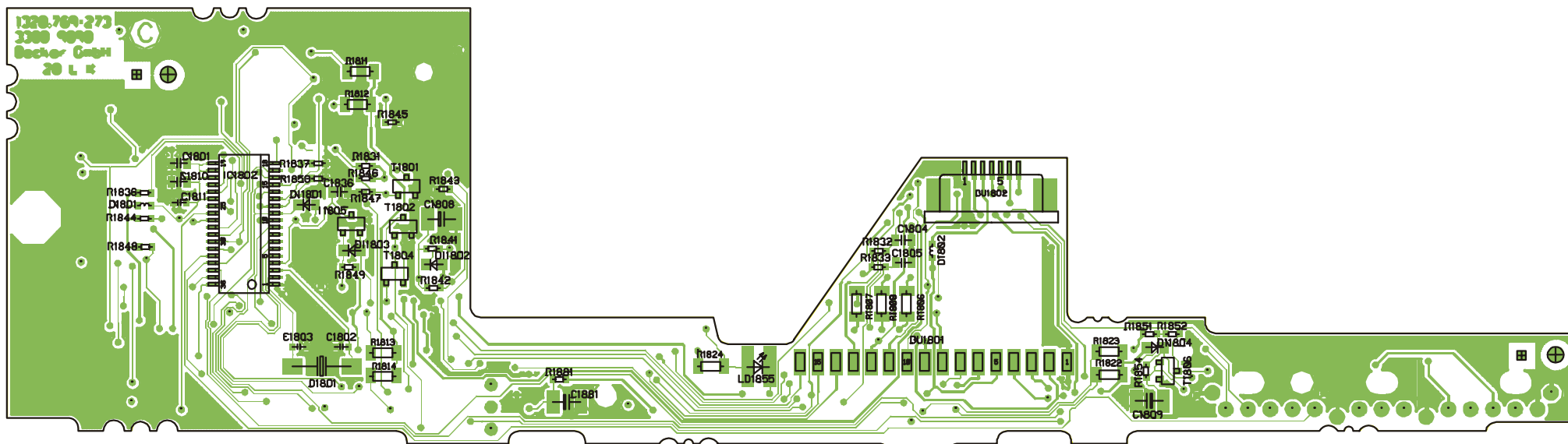


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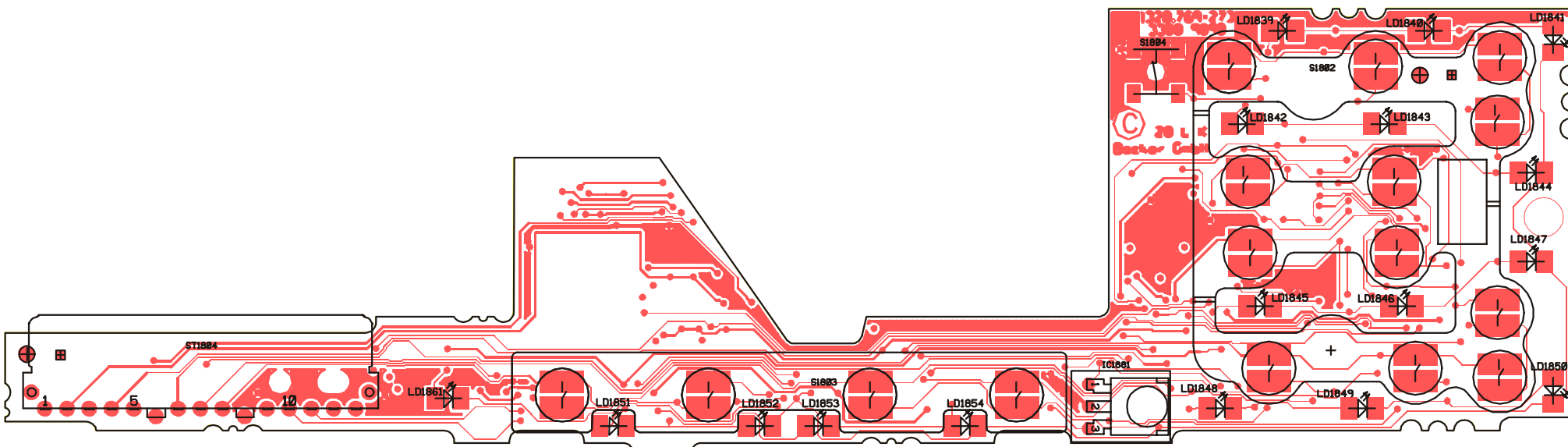


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### Soldering side



## Components side

Pos.	Part.-No.	Denomination
1	1284614	CHASSIS 3300
2	1309765	COVER, CHASSIS 3200
3	1284622	HOLDING SPRING-RIGHT
4	1284630	HOLDING SPRING-LEFT
5	1271997	PROTECTION CAP -D2B HEADER- AMP
6	1246917	IC-HOLDER 3310
7	1246992	SCREENING FRAME-FM- WITH ANT.SOCKET
8	1246909	HEAT SINK 3310 WGR11318
9	1278916	CONNECTOR 21 POL D&R K37000300 3300
10	1244744	TAPEDECK ASSY ALP GR71-S36B (MJ'98)
11		OPERATION ESCUTCHEON
12	1284533	P.C. BOARD FRONT 9090
13	1294350	OPERATION ESCUTCHEON MOBIL CPL.
14	1284385	COVER, MOBIL AUDIO 30 ECE 3300
15	1295411	TRIM PLATE MOBIL CPL. LEFT
16	1334867	KEY RADIO
17	1334875	KEY TONE
18	1334883	KEY TEL
19	1334905	KEY CC/CD
20	1322745	TRIM PLATE FIX CPL. RIGHT
21	1334913	KEY 1
22	1334921	KEY 2
23	1334931	KEY 3
24	1334948	KEY 4
25	1334956	KEY 5
26	1334964	KEY 6
27	1334972	KEY 7
28	1334980	KEY 8
29	1334999	KEY 9
30	1335006	KEY 0
31	1335014	KEY STAR
32	1335022	KEY EJECT
33	1283812	CONTACT MAT -12 -KEYS 3300
34	1337262	COVER, LED
35	1335030	KEY SOFTKEY LEFT
36	1335057	KEY SOFTKEY MIDDLE LEFT
37	1335573	KEY SOFTKEY MIDDLE RIGHT
38	1335049	KEY SOFTKEY RIGHT
39	1337254	COVER, BLIND
40	1283804	CONTACT MAT SOFTKEY
41	1284150	UNCLAMP
42	1284169	WITH CLOCK SPRING
43	1309110	LCD-MODUL CPL. Note at exchange: only be used for SW-version 44/98 or higher
44	1284223	TRIM PLATE LCD PRINTING
45	1284193	COVER, LCD 3300
46	1284207	FLEX LINE 3300

47	1284231	UNCLAMP BUTTON	3300
48	1284241	WITH PRESSURE SPRING	
49	1284266	ROTATION DAMPER	3300
50	1284258	CLOCK SPRING-LCD	
51	1257919	SPRING CLAMP (CC)	
52	1284290	CONTROL LEVER (CC)	
53	1284061	LIGHT CONDUCTOR (CC)	
54	1284177	BUTTON TURNING KNOB / ON	
BU1802	1284282	CONNECTOR,7POL MB98/DIN AMP 487951-7	
BU1803	1284282	CONNECTOR,7POL MB98/DIN AMP 487951-7	
C101	1223925	CECA-CH 6P8 J NP0 0603 BAW SPE0030A315	
C103	1223909	CECA-CH 1P5 J NP0 0603 BAW SPE0030A315	
C104	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C105	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315	
C106	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C107	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C108	1249150	ELCA 22U M 16V BAW SPE0067A312-RM2,5	
C109	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315	
C110	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C111	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315	
C112	1288180	CECA-CH 1P8 J NPO 0603 BAW SPE0030A315	
C113	1223925	CECA-CH 6P8 J NP0 0603 BAW SPE0030A315	
C114	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C115	1238787	CECA-CH 5P6 J NP0 0603 BAW SPE0030A315	
C116	1223925	CECA-CH 6P8 J NP0 0603 BAW SPE0030A315	
C117	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315	
C118	1223976	CECA-CH 47P J NP0 0603 BAW SPE0030A315	
C120	1238787	CECA-CH 5P6 J NP0 0603 BAW SPE0030A315	
C121	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C122	1243012	CECA-CH 27P J NPO 0603 BAW SPE0030A315	
C123	1166751	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315	
C125	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315	
C126	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C127	1249150	ELCA 22U M 16V BAW SPE0067A312-RM2,5	
C128	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315	
C151	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315	
C152	1223941	CECA-CH 18P J NP0 0603 BAW SPE0030A315	
C153	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315	
C154	1166409	CECA-CH 6N8 J X7R 0805 BAW SPE0014A315	
C155	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315	
C156	0356417	KS-FOCA 6N8 K 100V G WIM FKS2-RM5	
C157	1277790	CECA-CH 680P J COH 0603 25V G MUR GRM39	
C158	1119176	CECA-CH 22N J X7R 0805 BAW SPE0014A315	
C159	1249169	ELCA 47U M 16V BAW SPE0068A312-RM2,5	
C160	1223992	CECA-CH 150P J NP0 0603 BAW SPE0030A315	
C161	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315	
C162	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315	
C165	1119222	CECA-CH 470P K X7R 0805 BAW SPE0015A315	
C166	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315	

<b>C168</b>	<b>1249169</b>	ELCA 47U M 16V BAW SPE0068A312-RM2,5
<b>C169</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C1801</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C1802</b>	<b>1223951</b>	CECA-CH 22P J NP0 0603 BAW SPE0030A315
<b>C1803</b>	<b>1223951</b>	CECA-CH 22P J NP0 0603 BAW SPE0030A315
<b>C1804</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C1805</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C1808</b>	<b>1238647</b>	TACA-CH 1U K B G 35V BAW SPE0005A313
<b>C1809</b>	<b>1238647</b>	TACA-CH 1U K B G 35V BAW SPE0005A313
<b>C1810</b>	<b>1166751</b>	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315
<b>C1811</b>	<b>1234536</b>	CECA-CH 100P J NP0 0603 BAW SPE0030A315
<b>C1836</b>	<b>1166751</b>	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315
<b>C1861</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C1862</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C1863</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C1864</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C1865</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C1866</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C1867</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C1868</b>	<b>1028715</b>	TACA-CH 4U7 M B G 10V BAW SPE0008A313
<b>C1869</b>	<b>1028715</b>	TACA-CH 4U7 M B G 10V BAW SPE0008A313
<b>C1870</b>	<b>1028715</b>	TACA-CH 4U7 M B G 10V BAW SPE0008A313
<b>C1871</b>	<b>1119192</b>	CECA-CH 33N K X7R 0805 BAW SPE0015A315
<b>C1881</b>	<b>1254839</b>	TACA-CH 22U K B G 6V3 SIE B45196-H
<b>C1900</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1901</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1902</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1903</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1904</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1905</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1906</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C1907</b>	<b>1223933</b>	CECA-CH 15P J NP0 0603 BAW SPE0030A315
<b>C204</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C206</b>	<b>1119176</b>	CECA-CH 22N J X7R 0805 BAW SPE0014A315
<b>C207</b>	<b>1119125</b>	CECA-CH 10N K X7R 0805 BAW SPE0015A315
<b>C209</b>	<b>1249150</b>	ELCA 22U M 16V BAW SPE0067A312-RM2,5
<b>C210</b>	<b>1119176</b>	CECA-CH 22N J X7R 0805 BAW SPE0014A315
<b>C211</b>	<b>1073516</b>	CECA-CH 150P J NP0 0805 BAW SPE0003A315
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<b>C213</b>	<b>1276220</b>	CECA-CH 2N2 J X7R 0805 50V BAW SPE0014A
<b>C214</b>	<b>1119176</b>	CECA-CH 22N J X7R 0805 BAW SPE0014A315
<b>C215</b>	<b>1182943</b>	CECA-CH 47N K X7R 0805 BAW SPE0015A315
<b>C217</b>	<b>1119176</b>	CECA-CH 22N J X7R 0805 BAW SPE0014A315
<b>C218</b>	<b>1066110</b>	CECA-CH 470P J NP0 0805 BAW SPE0003A315
<b>C219</b>	<b>1119125</b>	CECA-CH 10N K X7R 0805 BAW SPE0015A315
<b>C226</b>	<b>1234897</b>	CECA-CH 150P J P2H 0603 MUR GRM39
<b>C227</b>	<b>1270788</b>	CECA-CH 1N2 J S2H 1206 50V MUR GRM42-6
<b>C232</b>	<b>1258877</b>	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
<b>C233</b>	<b>1258877</b>	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5

<b>C234</b>	<b>1119192</b>	CECA-CH 33N K X7R 0805 BAW SPE0015A315
<b>C235</b>	<b>1246321</b>	CECA-CH 220N K X7R 1206 BAW SPE0036A315
<b>C236</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C237</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
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<b>C252</b>	<b>1272357</b>	TACA-CH 6U8 K B G 16V SNPB SIE B45196-H
<b>C253</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C301</b>	<b>1119125</b>	CECA-CH 10N K X7R 0805 BAW SPE0015A315
<b>C303</b>	<b>1246321</b>	CECA-CH 220N K X7R 1206 BAW SPE0036A315
<b>C304</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C310</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C312</b>	<b>1258877</b>	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
<b>C314</b>	<b>1223976</b>	CECA-CH 47P J NP0 0603 BAW SPE0030A315
<b>C315</b>	<b>1223984</b>	CECA-CH 68P J NP0 0603 BAW SPE0030A315
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<b>C322</b>	<b>1119060</b>	CECA-CH 1N K X7R 0805 BAW SPE0015A315
<b>C323</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C324</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C325</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C327</b>	<b>1223968</b>	CECA-CH 33P J NP0 0603 BAW SPE0030A315
<b>C328</b>	<b>1258877</b>	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
<b>C329</b>	<b>1249150</b>	ELCA 22U M 16V BAW SPE0067A312-RM2,5
<b>C330</b>	<b>1173324</b>	CECA-CH 1N J NP0 0805 BAW SPE0003A315
<b>C331</b>	<b>1182943</b>	CECA-CH 47N K X7R 0805 BAW SPE0015A315
<b>C332</b>	<b>1246380</b>	CECA-CH 3P9 C NP0 0603 BAW SPE0031A315
<b>C333</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C334</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C335</b>	<b>1246208</b>	CECA-CH 330N J X7R 1206 25V MUR GRM42-6
<b>C336</b>	<b>1182943</b>	CECA-CH 47N K X7R 0805 BAW SPE0015A315
<b>C337</b>	<b>1258796</b>	CECA-CH 56P J S2H 0603 50V MUR GRM39
<b>C338</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C339</b>	<b>1182943</b>	CECA-CH 47N K X7R 0805 BAW SPE0015A315
<b>C340</b>	<b>1244035</b>	CECA-CH 560P J U2J 0603 MUR GRM39
<b>C343</b>	<b>1182943</b>	CECA-CH 47N K X7R 0805 BAW SPE0015A315
<b>C344</b>	<b>1225545</b>	CECA-CH 120P J 0603 NP0 BAW SPE0030A315
<b>C345</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C346</b>	<b>1162241</b>	CECA-CH 470P G NP0 0805 BAW SPE0027A315
<b>C347</b>	<b>1162284</b>	CECA-CH 560P G NP0 0805 BAW SPE0027A315
<b>C348</b>	<b>1162365</b>	CECA-CH 2N G NP0 1206 BAW SPE0028A315
<b>C349</b>	<b>1162322</b>	CECA-CH 1N G NP0 1206 BAW SPE0028A315
<b>C350</b>	<b>1270540</b>	CECA-CH 560P J NPO 0603 50V MUR GRM39
<b>C352</b>	<b>1234536</b>	CECA-CH 100P J NP0 0603 BAW SPE0030A315
<b>C353</b>	<b>1234536</b>	CECA-CH 100P J NP0 0603 BAW SPE0030A315

C354	1283499	CECA-CH 1U K X7R 0805 10V MUR GRM 40
C355	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C356	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C357	1223933	CECA-CH 15P J NP0 0603 BAW SPE0030A315
C365	1243012	CECA-CH 27P J NPO 0603 BAW SPE0030A315
C368	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C374	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315
C375	1259253	CECA-CH 220P J NPO 0603 BAW SPE0030A315
C380	1249150	ELCA 22U M 16V BAW SPE0067A312-RM2,5
C423	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C424	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C425	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C426	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C427	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C428	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C429	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C430	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C431	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C432	1255711	CECA-CH 220N J X7R 1206 BAW SPE0037A315
C433	1083945	CECA-CH 2N7 J NP0 1206 BAW SPE0007A315
C434	1083945	CECA-CH 2N7 J NP0 1206 BAW SPE0007A315
C435	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C436	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C437	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C438	1119176	CECA-CH 22N J X7R 0805 BAW SPE0014A315
C439	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C440	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C441	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C442	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C449	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C450	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C451	1182943	CECA-CH 47N K X7R 0805 BAW SPE0015A315
C452	1066102	CECA-CH 330P J NP0 0805 BAW SPE0003A315
C453	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C454	1119060	CECA-CH 1N K X7R 0805 BAW SPE0015A315
C455	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C456	1223976	CECA-CH 47P J NP0 0603 BAW SPE0030A315
C457	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C458	1119079	CECA-CH 2N7 K X7R 0805 BAW SPE0015A315
C459	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C460	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C471	1171984	ELCA 10U M 35V G BAW SPE0053A31 RM2,5
C472	1083899	CECA-CH 820P J NP0 1206 BAW SPE0006A315
C473	1171984	ELCA 10U M 35V G BAW SPE0053A31 RM2,5
C474	1083899	CECA-CH 820P J NP0 1206 BAW SPE0006A315
C475	1223976	CECA-CH 47P J NP0 0603 BAW SPE0030A315
C483	1253441	FOCA-CH 10N J 1206 50V G PAN ECHU
C484	1253441	FOCA-CH 10N J 1206 50V G PAN ECHU
C485	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5

C486	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C487	1171984	ELCA 10U M 35V G BAW SPE0053A31 RM2,5
C488	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C501	1186973	ELCA 1M M 25V G BAW SPE0074A312-RM5
C502	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C506	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C507	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C508	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C509	1281641	FOCA 470N J 50V G BAW SPE0018A314 RM5
C521	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C522	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C523	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C524	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C525	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C526	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C527	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C528	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C601	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C602	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C603	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C604	1290282	ELCA 2M2 M 25V G BAW SPE0084A312RM7,5
C605	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C606	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C607	1253360	ELCA 56U M 2000/105 16V NCC SXE-VB F0
C609	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C610	1253360	ELCA 56U M 2000/105 16V NCC SXE-VB F0
C611	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C612	1249150	ELCA 22U M 16V BAW SPE0067A312-RM2,5
C613	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C614	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C616	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C617	1073516	CECA-CH 150P J NP0 0805 BAW SPE0003A315
C618	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C619	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C620	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C621	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C622	1229974	ELCA 100U M 25V I G BAW SPE0108 RM2,5
C623	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C626	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C627	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C628	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C629	1119117	CECA-CH 10N J X7R 0805 BAW SPE0014A315
C702	1281437	FOCA 100N J 63V G BAW SPE0015A314 RM5
C704	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C705	1281283	FOCA 15N J 63V G BAW SPE0010A314 RM5
C706	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C707	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C712	1281437	FOCA 100N J 63V G BAW SPE0015A314 RM5
C714	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5

C715	1281283	FOCA 15N J 63V G BAW SPE0010A314 RM5
C716	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C717	1275992	CECA-CH 330P J NP0 0603 BAW SPE0030A315
C720	1249150	ELCA 22U M 16V BAW SPE0067A312-RM2,5
C721	1252585	CECA-CH 470N J X5R 1206 16V MUR GRM42-6
C722	1166751	CECA-CH 4N7 K X7R 0805 BAW SPE0015A315
C723	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C724	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C725	1172085	ELCA 100U M 16V G BAW SPE0063A3 RM2,5
C726	1281372	FOCA 68N J 63V G BAW SPE0014A314 RM5
C727	1281372	FOCA 68N J 63V G BAW SPE0014A314 RM5
C780	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C781	1258877	ELCA 4U7 M 50V G BAW SPE0049A31 RM2,5
C782	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C783	1171984	ELCA 10U M 35V G BAW SPE0053A31 RM2,5
C784	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C785	1223968	CECA-CH 33P J NP0 0603 BAW SPE0030A315
C786	1119125	CECA-CH 10N K X7R 0805 BAW SPE0015A315
C788	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C789	1246348	CECA-CH 100N K X7R 0805 BAW SPE0035A315
C790	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C791	1223951	CECA-CH 22P J NP0 0603 BAW SPE0030A315
C792	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C793	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C794	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C795	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C796	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C797	1233971	CECA-CH 10P J NP0 0603 BAW SPE0030A315
C798	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C799	1173324	CECA-CH 1N J NP0 0805 BAW SPE0003A315
C801	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C802	1171895	ELCA 2U2 M 50V G BAW SPE0044A3 RM2,5
C803	1258907	ALCA-CH 1U M 50V I G BAW SPE0161A312
C805	1113259	CECA-CH 1N K X7R 1206 BAW SPE0017A315
C806	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C807	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C808	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C809	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C810	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C811	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C812	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C813	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C814	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C815	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C816	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C817	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C818	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C819	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315
C820	1234536	CECA-CH 100P J NP0 0603 BAW SPE0030A315

<b>C821</b>	<b>1229974</b>	ELCA 100U M 25V I G BAW SPE0108 RM2,5
<b>C850</b>	<b>1182943</b>	CECA-CH 47N K X7R 0805 BAW SPE0015A315
<b>C851</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C852</b>	<b>1119125</b>	CECA-CH 10N K X7R 0805 BAW SPE0015A315
<b>C854</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C856</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C857</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C908</b>	<b>1223951</b>	CECA-CH 22P J NP0 0603 BAW SPE0030A315
<b>C909</b>	<b>1223951</b>	CECA-CH 22P J NP0 0603 BAW SPE0030A315
<b>C919</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C928</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C929</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C939</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C949</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C958</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C968</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C969</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C980</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>C981</b>	<b>1246348</b>	CECA-CH 100N K X7R 0805 BAW SPE0035A315
<b>D101</b>	<b>1156128</b>	INDUCTOR-CH G MUR BLM21B050S
<b>D102</b>	<b>1178237</b>	CHOKE-CH 2,2UH K G SIE B82422-A1222-K
<b>D152</b>	<b>1246811</b>	CHOKE-CH 47UH K G SIE B82432-A1473-K
<b>D1801</b>	<b>1227221</b>	INDUCTOR-CH G MUR BLM11A221S
<b>D1802</b>	<b>1227221</b>	INDUCTOR-CH G MUR BLM11A221S
<b>D301</b>	<b>1178237</b>	CHOKE-CH 2,2UH K G SIE B82422-A1222-K
<b>D302</b>	<b>1148494</b>	CHOKE-CH 0,47UH J G SIE B82422-A3471-J
<b>D472</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D601</b>	<b>1244922</b>	CHOKE,BATT.- 200UH VOG 5730409900
<b>D602</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D603</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D604</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D780</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D781</b>	<b>1000950</b>	CHOKE-CH 47UH K G SIE B82422-A1473-K
<b>D901</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D909</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D920</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D930</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>D980</b>	<b>1237705</b>	INDUCTOR-CH G MUR BLM21A601S
<b>DI101</b>	<b>1183710</b>	DIODE-CH BAW BB814 GRPP-1/2 G SPE0043A30
<b>DI102</b>	<b>1183710</b>	DIODE-CH BAW BB814 GRPP-1/2 G SPE0043A30
<b>DI103</b>	<b>1183710</b>	DIODE-CH BAW BB814 GRPP-1/2 G SPE0043A30
<b>DI104</b>	<b>1225529</b>	DIODE-CH TEL S391D G
<b>DI1801</b>	<b>1252143</b>	DIODE-CH PHI BAS216 G
<b>DI1802</b>	<b>1252143</b>	DIODE-CH PHI BAS216 G
<b>DI1803</b>	<b>1252143</b>	DIODE-CH PHI BAS216 G
<b>DI1804</b>	<b>1252143</b>	DIODE-CH PHI BAS216 G
<b>DI231</b>	<b>1252143</b>	DIODE-CH PHI BAS216 G
<b>DI251</b>	<b>1252143</b>	DIODE-CH PHI BAS216 G
<b>DI301</b>	<b>1229788</b>	DIODE-CH BAW BA779-2/1SV234/DPA05 G SPE

DI302	1252143	DIODE-CH PHI BAS216 G
DI304	1252143	DIODE-CH PHI BAS216 G
DI305	1252143	DIODE-CH PHI BAS216 G
DI306	1073656	DIODE-CH BAW BAV99 SHIP-TO-ST.G SPE0030A
DI311	1252143	DIODE-CH PHI BAS216 G
DI321	1183710	DIODE-CH BAW BB814 GRPP-1/2 G SPE0043A30
DI501	1252143	DIODE-CH PHI BAS216 G
DI601	1179683	DIODE-CH GIC S3B G
DI603	1118757	DIODE-CH BAW 6V8 5% SHIP-TO-STOCK G SPE0
DI604	1252143	DIODE-CH PHI BAS216 G
DI605	1252143	DIODE-CH PHI BAS216 G
DI606	1252143	DIODE-CH PHI BAS216 G
DI607	1252143	DIODE-CH PHI BAS216 G
DI784	1148842	DIODE-CH BAW 4V7 SHIP-TO-STOCK G SPE0022
DI785	0672475	DIODE-CH BAW BAV70 SHIP-TO-STOCK G SPE00
DI801	1043587	DIODE-CH BAW BAW56 SHIP-TO ST.G SPE0028A
DI850	1252143	DIODE-CH PHI BAS216 G
DI851	1043587	DIODE-CH BAW BAW56 SHIP-TO ST.G SPE0028A
DI852	1252143	DIODE-CH PHI BAS216 G
DI853	1252143	DIODE-CH PHI BAS216 G
DI854	1252143	DIODE-CH PHI BAS216 G
DI855	1252143	DIODE-CH PHI BAS216 G
DI856	1076353	DIODE-CH BAW 5V6 2% SHIP-TO-STOCK G SPE0
DI857	1252143	DIODE-CH PHI BAS216 G
F102	1270486	FILTER, FMV- 100MHZ TOK/P666SNS-286IB-BR
F104	1253395	FILTER, FMZ- 100MHZ TOK/P666SNS-256Z-RT
F105	1284827	FILTER,AMO/FMO-120MHZ TOK VAG,VWA,GEA
F201	1270291	FILTER, FM-ZF- 10,7MHZ TOK C805PN-0642UH
F204	1291637	FILTER,FM-PHASENKR.-10,7MHZ MSI RA7008-2
F321	1284827	FILTER,AMO/FMO-120MHZ TOK VAG,VWA,GEA
F341	1246003	FILTER, AM-ZF 450KHZ TOK C805LN-0586N-SW
F342	1258028	FILTER,AM-ZF1- 10,7MHZ TOK C805PN-0640-U
F343	1275984	FILTER, AM-PH 450KHZ SGM5CG-960954187-SW
IC101	1223518	IC-CH TEL U4065B-MFL G
IC151	1223526	IC-CH TEL U4283BM-BFS G
IC1801	1254790	IC-DIE SEP SED1530 DOA
IC1802	1299662	IC-CH NEC UPD 754302-3200-04/98
IC1804	1277057	IC-CH NSC LM2904 M
IC1881	1254650	HOLDER IR FOR IC1881
IC1881	1287931	IR SENSOR GBG+GSN 3300
IC201	1220357	IC-CH SIE TDA4320X G
IC301	1254308	IC-CH SIE TDA4362-P-MQFP-44-2 G
IC421	1247921	IC-CH SGT TDA7340TR G
IC471	1250477	IC-CH CRY CS4331-BSR G
IC472	1250485	IC-CH CRY CS5331A-BSR G
IC501	1271180	IC PHI TDA8569Q /N1
IC601	1240481	IC-CH SIE BSP452 G
IC602	1258397	IC-CH SIE TLE4276GV P-TO220-5-122
IC603	1246674	IC-CH SIE TLE4269GL P-DSO20-6 G

IC604	1286242	IC-CH TOS TC7S14F G
IC701	1254596	IC-CH SOY CXA2511Q
IC702	1245996	IC-CH PHI 74HC03D,653 G
IC780	1239147	IC-CH AUM OCC8001-01
IC781	1249101	IC-CH TOS TC7S08F G
IC850		IC-CH NOT AVAILABLE
IC881	1270362	IC SOY SBX8035F -IR SENSOR
IC901	1245058	IC-CH SIE SAF-C515C-8R P-MQFP-80
IC902	1185616	IC-CH PHI PC74HC573D G
IC903	1230964	IC-SOCKET 32POL STANDARD BAW SPE000
IC903	1323581	IC BAW 27C1001 3301 44/98 3301
IC904	1305859	IC-CH SAY LC3564BM-10 TE-L
IC905	1185616	IC-CH PHI PC74HC573D G
IC906	1185616	IC-CH PHI PC74HC573D G
IC909	0588121	IC-CH PHI PC74HC02D G
IC980	1012071	IC-CH BAW 74HC4094 G SPE0005A308
IC981	1012071	IC-CH BAW 74HC4094 G SPE0005A308
KF201	1306987	K-FILT MUR SFE 10,7 MS3A10GJ24-A-S-TF21
KF202	1306987	K-FILT MUR SFE 10,7 MS3A10GJ24-A-S-TF21
KF203	1307010	K-FILT.MUR SFE 10,7MHZ MJA10J24-A-S-TF21
KF204	1306987	K-FILT MUR SFE 10,7 MS3A10GJ24-A-S-TF21
KF341	1237713	KERA-FILTER MUR CFWS 450 IT
KF343	1237721	KERA-FILTER MUR CFWS 450 HT
L101	1235915	COIL 14WDG 4,0 0,4 1088
L312	1252615	CHOKE-CH 220UH K G SIE B82432-S1224-K
L313	1252615	CHOKE-CH 220UH K G SIE B82432-S1224-K
L315	1245368	CHOKE-CH 68UH K G SIE B82432-S1683-K
L317	1245368	CHOKE-CH 68UH K G SIE B82432-S1683-K
L320	1252615	CHOKE-CH 220UH K G SIE B82432-S1224-K
L322	1249398	CHOKE-CH 2,2MH K G MSI C6-R/3333
L380	1000942	CHOKE-CH 10UH K G SIE B82422-A1103-K
LD1801	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1802	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1803	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1804	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1805	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1806	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1807	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1808	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1809	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1810	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1811	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1812	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1813	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1814	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1831	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1832	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1833	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1834	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228

LD1835	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1836	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1837	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1838	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1839	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1840	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1841	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1842	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1843	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1844	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1845	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1846	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1847	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1848	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1849	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1850	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1851	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1852	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1853	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1854	1285122	LED-CH SIE LYT670E9349 K2/U Q62703-Q4228
LD1855	1285084	LED-CH SIE LYA676E9349 P2/U Q62703-Q4232
LD1861	1158767	LED-CH SIE LST670 G -RT
OT780	1248121	TRANSCEIVER AMP 966893 D2BOPTICAL-HEADER
P251	1245090	TRIRES-CH 5K LIN 0,10W MUR RVG3A08-
P701	1246615	TRIRES-CH 10K 0,10W MUR POZ3AN1-103N-T00
P702	1246615	TRIRES-CH 10K 0,10W MUR POZ3AN1-103N-T00
Q151	1280279	QUARTZ 10,250 MHZ G NDK AT-51 M.ISOPL.
Q1801	1171501	KERA-RESON-CH MUR CSAC 4,19 MGCA G
Q231	1245112	KERA-RESON-CH MUR CSBF456JF211 G
Q451	1245112	KERA-RESON-CH MUR CSBF456JF211 G
Q780	1283464	QUARTZ 16,9344 MHZ G NDK AT-51 M.ISOPL.
Q901	1295691	QUARTZ 10MHZ TQG TQX6674 MIT ISOPL.
QF342	1287796	QUARTZ-FILTER-CH 10,700 MHZ NDK 10U 7,5A
R101	1304402	RES-CH 470R F 0603 BAW SPE0027A323
R102	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R103	1304224	RES-CH 39R F 0603 BAW SPE0027A323
R104	1304895	RES-CH 100R F 0805 G BAW SPE0017A323
R105	1277588	RES-CH 330K F 0603 G BAW SPE 0028A323
R106	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R112	1304895	RES-CH 100R F 0805 G BAW SPE0017A323
R121	1305131	RES-CH 68K F 0603 BAW SPE0028A323
R122	1305131	RES-CH 68K F 0603 BAW SPE0028A323
R123	1254022	RES-CH 2K2 F 0603 G BAW SPE0028A323
R125	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R130	1291181	RES-CH 5K6 F 0603 G BAW SPE0028A323
R131	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
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R154	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
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R156	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R157	1254421	RES-CH 12K F 0603 G BAW SPE0028A323
R158	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R159	1288415	RES-CH 6K8 F 0603 G BAW SPE 0028A323
R160	1254421	RES-CH 12K F 0603 G BAW SPE0028A323
R161	1254421	RES-CH 12K F 0603 G BAW SPE0028A323
R162	1254421	RES-CH 12K F 0603 G BAW SPE0028A323
R163	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R164	1305158	RES-CH 100K F 0603 BAW SPE0028A323
R165	1304194	RES-CH 27R F 0603 BAW SPE0027A323
R166	1254022	RES-CH 2K2 F 0603 G BAW SPE0028A323
R167	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R168	1258486	RES-CH 39K F 0603 BAW SPE0028A323
R169	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R175	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R1801	1303511	RES-CH 560R F 1206 G BAW SPE0015A323
R1802	1303562	RES-CH 1K2 F 1206 G BAW SPE0016A323
R1803	1303562	RES-CH 1K2 F 1206 G BAW SPE0016A323
R1804	1303562	RES-CH 1K2 F 1206 G BAW SPE0016A323
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R1806	1303449	RES-CH 270R F 1206 G BAW SPE0015A323
R1807	1303449	RES-CH 270R F 1206 G BAW SPE0015A323
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R1814	1226649	RES-CH 680R F 1206 BAW SPE0015A323
R1816	1304461	RES-CH 1K5 F 0603 G BAW SPE0028A323
R1817	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R1821	1226657	RES-CH 1K F 1206 BAW SPE0016A323
R1822	1293206	RES-CH 1K5 F 1206 BAW SPE0016A323
R1823	1293206	RES-CH 1K5 F 1206 BAW SPE0016A323
R1824	1226797	RES-CH 5K6 F 1206 BAW SPE0016A323
R1831	1304445	RES-CH 1K F 0603 BAW SPE0028A323
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R1833	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
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R1862	1291181	RES-CH 5K6 F 0603 G BAW SPE0028A323
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R219	1305131	RES-CH 68K F 0603 BAW SPE0028A323
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R352	1254324	RES-CH 24K F 0603 G BAW SPE0028A323
R353	1304445	RES-CH 1K F 0603 BAW SPE0028A323
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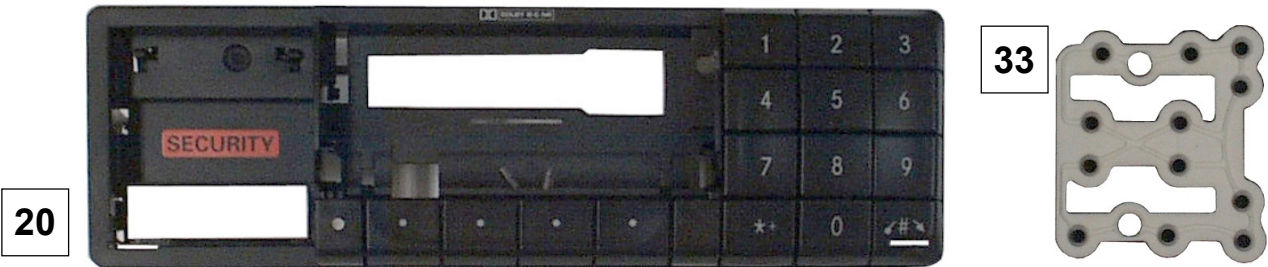
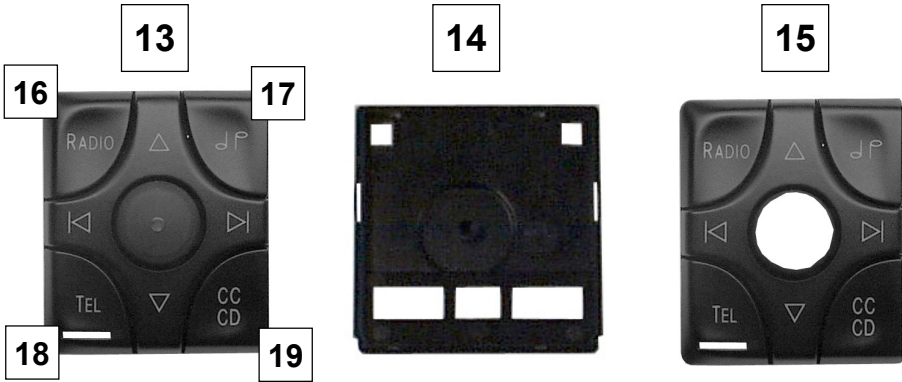
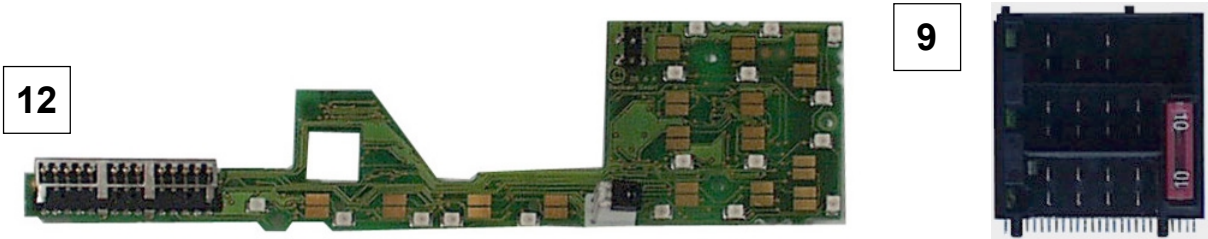
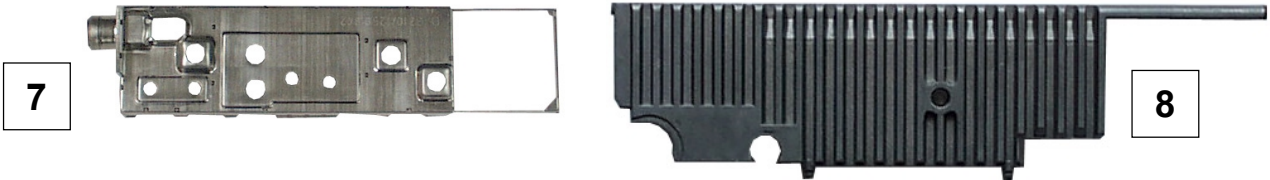
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R424	1305001	RES-CH 33K F 0603 BAW SPE0028A323
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R454	1258478	RES-CH 15K F 0603 BAW SPE0028A323
R455	1254456	RES-CH 82K F 0603 G BAW SPE0028A323
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R483	1304321	RES-CH 150R F 0603 BAW SPE0027A323
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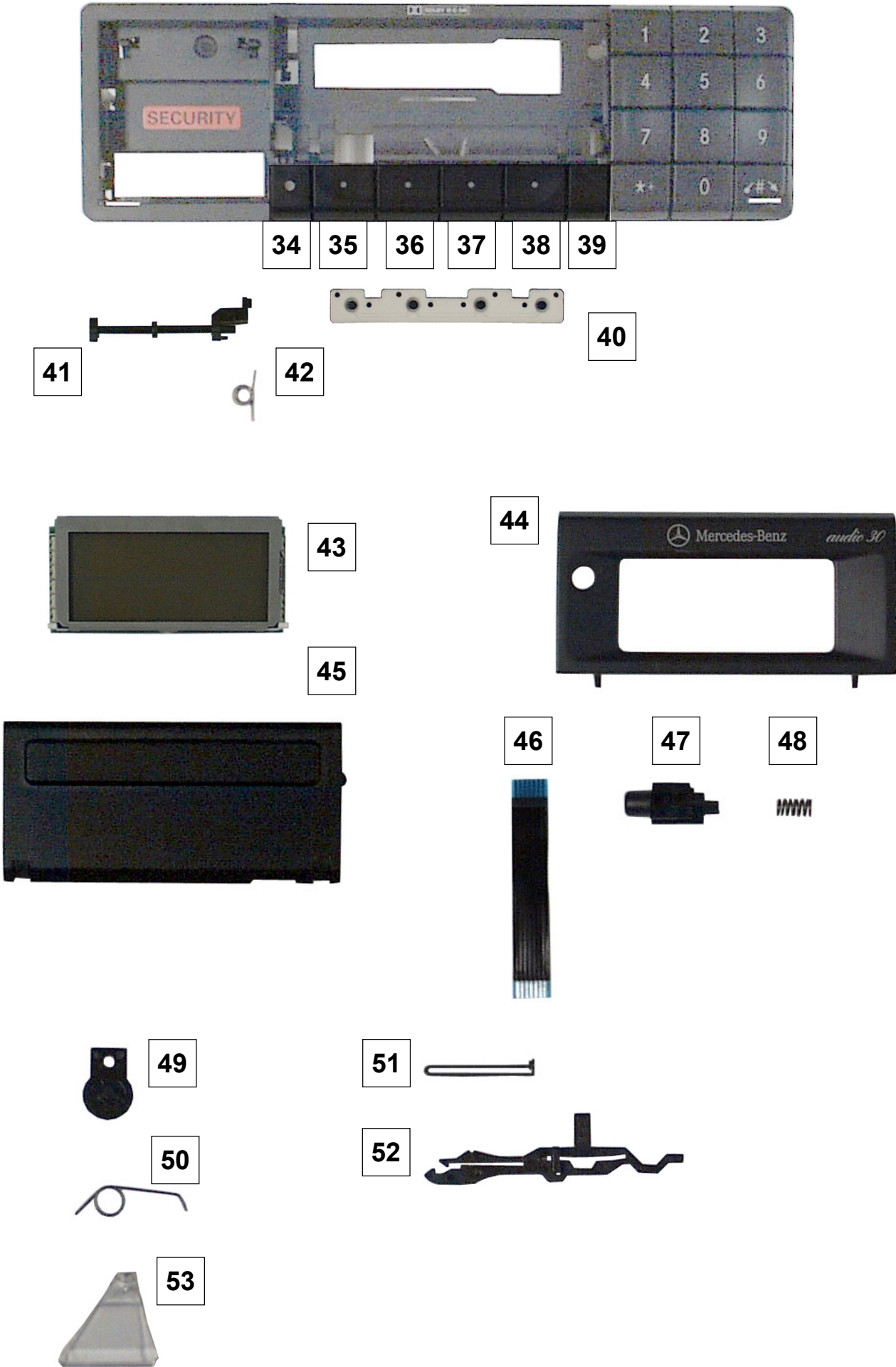
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R810	1226657	RES-CH 1K F 1206 BAW SPE0016A323
R811	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R820	1283367	RES-CH 10R F 1206 G TK100 BAW0015A323
R821	1283367	RES-CH 10R F 1206 G TK100 BAW0015A323
R822	1283367	RES-CH 10R F 1206 G TK100 BAW0015A323

R850	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R851	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R852	1254022	RES-CH 2K2 F 0603 G BAW SPE0028A323
R853	1304429	RES-CH 680R F 0603 BAW SPE0027A323
R854	1304781	RES-CH 10R F 0805 G BAW SPE0017A323
R855	1227831	RES-CH 10K F 0805 G BAW SPE0018A323
R856	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R857	1223437	RES-CH 470K F 0805 G BAW SPE0019A323
R858	1271199	RES-CH 56K F 0603 G BAW SPE0028A323
R859	1304895	RES-CH 100R F 0805 G BAW SPE0017A323
R860	1258478	RES-CH 15K F 0603 BAW SPE0028A323
R861	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R862	1304348	RES-CH 220R F 0603 BAW SPE0027A323
R863	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R864	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R865	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R866	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R868	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R869	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R900	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R901	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R902	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R903	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R904	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R905	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R906	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R907	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R908	1304283	RES-CH 100R F 0603 BAW SPE0027A323
R910	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R911	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R912	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R913	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R915	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R916	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R920	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R921	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R922	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R923	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R924	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R925	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R926	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R927	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R930	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R931	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R932	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R933	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R934	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R935	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R940	1304445	RES-CH 1K F 0603 BAW SPE0028A323

R941	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R942	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R943	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R944	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R945	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R947	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R950	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R952	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R953	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R954	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R955	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R957	1304410	RES-CH 560R F 0603 BAW SPE0027A323
R960	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R962	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R963	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R965	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R966	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R967	1304445	RES-CH 1K F 0603 BAW SPE0028A323
R978	1227661	RES-CH 0R 0603 BAW SPE0025A323
R980	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R982	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R983	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R984	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R985	1297041	RES-CH 10K F 0603 G BAW SPE0028A323
R986	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R987	1305158	RES-CH 100K F 0603 BAW SPE0028A323
R988	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R989	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R992	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R993	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R994	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R995	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R996	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R997	1297058	RES-CH 22K F 0603 G BAW SPE0028A323
R998	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
R999	1254332	RES-CH 47K F 0603 G BAW SPE0028A323
S1804	1288407	TASTER-SMD SMK JPS 1110-3311 R G
S1831	1309714	ENCODER MAT EVQ B5D 60915B
SP101	1031112	ARRESTER MMC DSP-201M-A21R
ST1804	1284703	CONTACT SPRING SET -MB98/DIN
ST701	1158041	PIN LEDGE 19POL D&R 3 302 02 01 1490
ST801	1252641	SPRING-PLUG IN CONNECTION+B729 AMP 969600-1
T101	1028049	TRANSISTOR-CH BAW BC858C G SPE0002A302
T102	1225537	TRANSISTOR-CH BAW BFR93A SHIP-TO-STOCK G
T151	1018280	TRANSISTOR-CH BAW BC808-40 G SPE002
T152	1018280	TRANSISTOR-CH BAW BC808-40 G SPE002
T1801	0659614	TRANSISTOR-CH BAW BC848B G SPE0003A
T1802	0675318	TRANSISTOR-CH BAW BC818-16 SHIP-TO-STOCK
T1804	0659614	TRANSISTOR-CH BAW BC848B G SPE0003A

<b>T1805</b>	<b>1239066</b>	TRANS.-CH BAW KRC104S/BCR148/DTC144
<b>T1806</b>	<b>1182821</b>	TRANSISTOR-CH BAW KRC102S/DTC114 NP
<b>T204</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T205</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T206</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T252</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T301</b>	<b>1180576</b>	TRANSISTOR BAW J109/110 SELEKT.G SP
<b>T302</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T304</b>	<b>0659673</b>	TRANSISTOR-CH BAW BC858B G SPE0005A302
<b>T323</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T341</b>	<b>0659622</b>	TRANSISTOR-CH BAW BC848C G SPE0004A302
<b>T360</b>	<b>1329057</b>	TRANSISTOR-CH SIE BCR562 PNP G
<b>T361</b>	<b>1329057</b>	TRANSISTOR-CH SIE BCR562 PNP G
<b>T364</b>	<b>1172646</b>	TRANSISTOR-CH BAW KRC103S/DTC124 NP
<b>T501</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T502</b>	<b>1172646</b>	TRANSISTOR-CH BAW KRC103S/DTC124 NP
<b>T601</b>	<b>1280260</b>	TRANSISTOR BAW 2SD2394F/2SD1913S SPE0062
<b>T602</b>	<b>1028049</b>	TRANSISTOR-CH BAW BC858C G SPE0002A302
<b>T604</b>	<b>0659614</b>	TRANSISTOR-CH BAW BC848B G SPE0003A
<b>T605</b>	<b>0659614</b>	TRANSISTOR-CH BAW BC848B G SPE0003A
<b>T606</b>	<b>0672521</b>	TRANSISTOR-CH BAW BC856B G SPE0013A
<b>T607</b>	<b>1258079</b>	TRANSISTOR-CH BAW BC846B G SPE0035A302
<b>T701</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T702</b>	<b>1253611</b>	TRANSISTOR-CH BAW BCR158/DTA123JC SPE006
<b>T801</b>	<b>1172646</b>	TRANSISTOR-CH BAW KRC103S/DTC124 NP
<b>T802</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T803</b>	<b>1182821</b>	TRANSISTOR-CH BAW KRC102S/DTC114 NP
<b>T804</b>	<b>1248499</b>	TRANSISTOR-CH BAW BCX52-16 G SPE0060A302
<b>T805</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T806</b>	<b>1182821</b>	TRANSISTOR-CH BAW KRC102S/DTC114 NP
<b>T807</b>	<b>1248499</b>	TRANSISTOR-CH BAW BCX52-16 G SPE0060A302
<b>T852</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T853</b>	<b>1172646</b>	TRANSISTOR-CH BAW KRC103S/DTC124 NP
<b>T854</b>	<b>1028006</b>	TRANSISTOR-CH BAW BC817-40 SHIP-TO-STOCK
<b>T855</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T856</b>	<b>1172654</b>	TRANSISTOR-CH BAW KRA103S/DTA124 PN
<b>T857</b>	<b>1172646</b>	TRANSISTOR-CH BAW KRC103S/DTC124 NP
<b>T858</b>	<b>0659614</b>	TRANSISTOR-CH BAW BC848B G SPE0003A
<b>T859</b>	<b>1172646</b>	TRANSISTOR-CH BAW KRC103S/DTC124 NP





## Blockdiagram

Main Board 4010 ..... 2

## Connector

Connector block (Board 4040) ..... 3

Connector interface (Board 4010) ..... 4

## Power supply

UG9V; UD5V; UG5V (Board 4010) ..... 5

## Tuner

FM-Tuner (Board 4010) ..... 6

FM-Peripherie (Board 4010) ..... 7

AM-Tuner (Board 4010) ..... 8

## AF-section

Audio controller and FM-Stereo decoder (Board 4010) 9

AF-amplifier (Board 4010) ..... 10

## Interface

d2b-optical (Board 4010) ..... 11

Wake up-Leitung, K-Leitung (Board 4010) ..... 12

## Control

□P-control (Board 4010) ..... 13

Shiftregister, EEPROM (Board 4010) ..... 14

CC-Steuerung, Dolby B/C (Board 4010) ..... 15

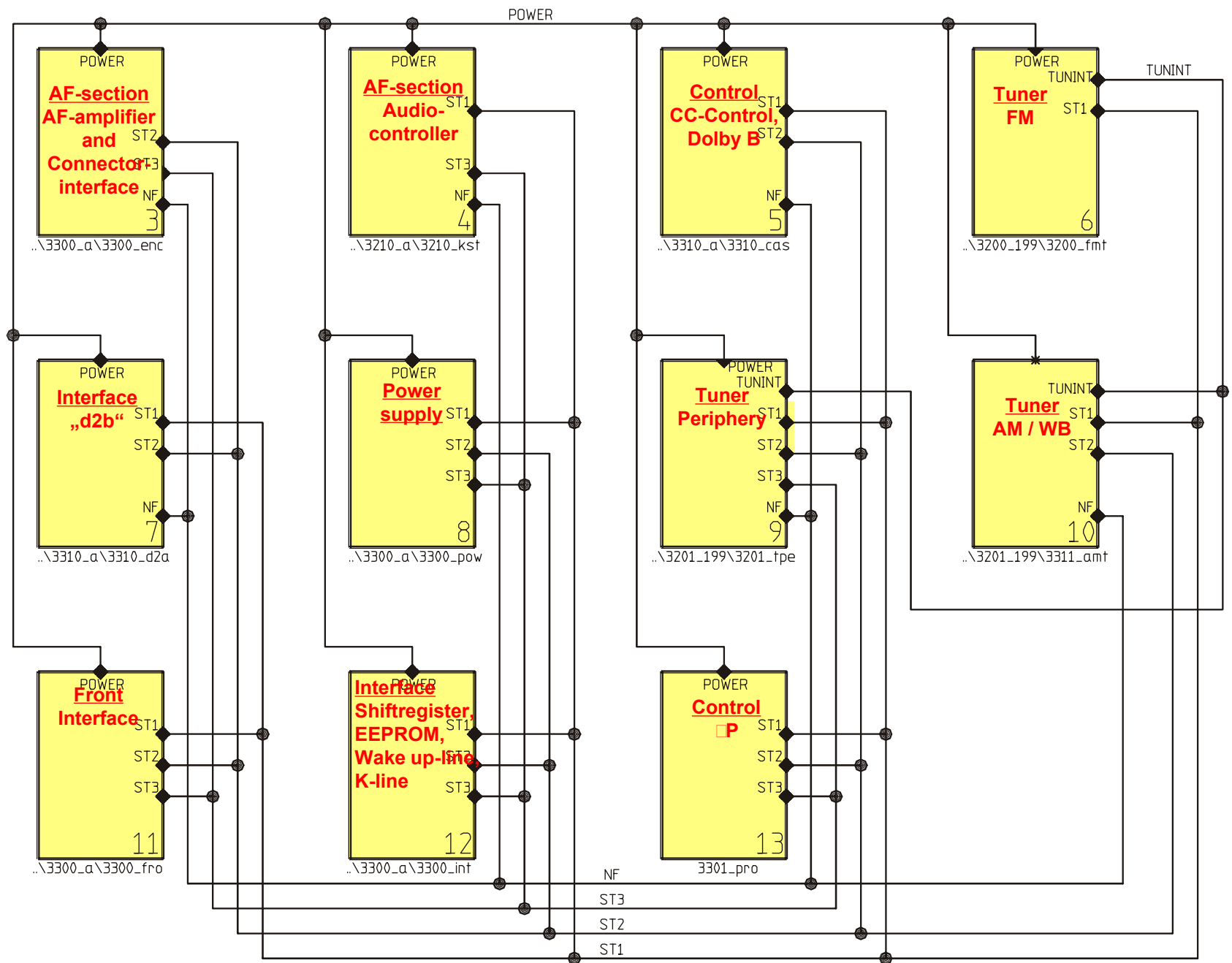
## Front

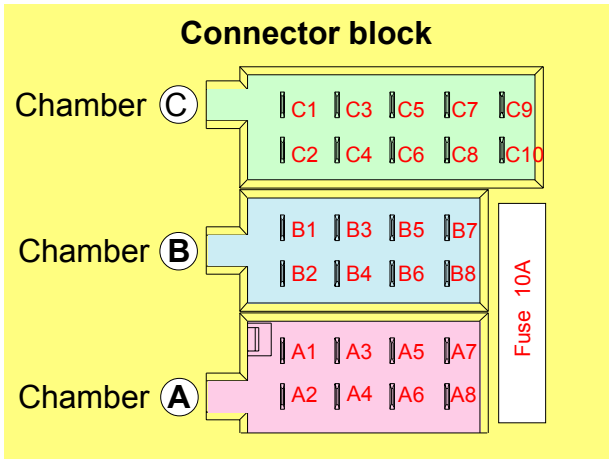
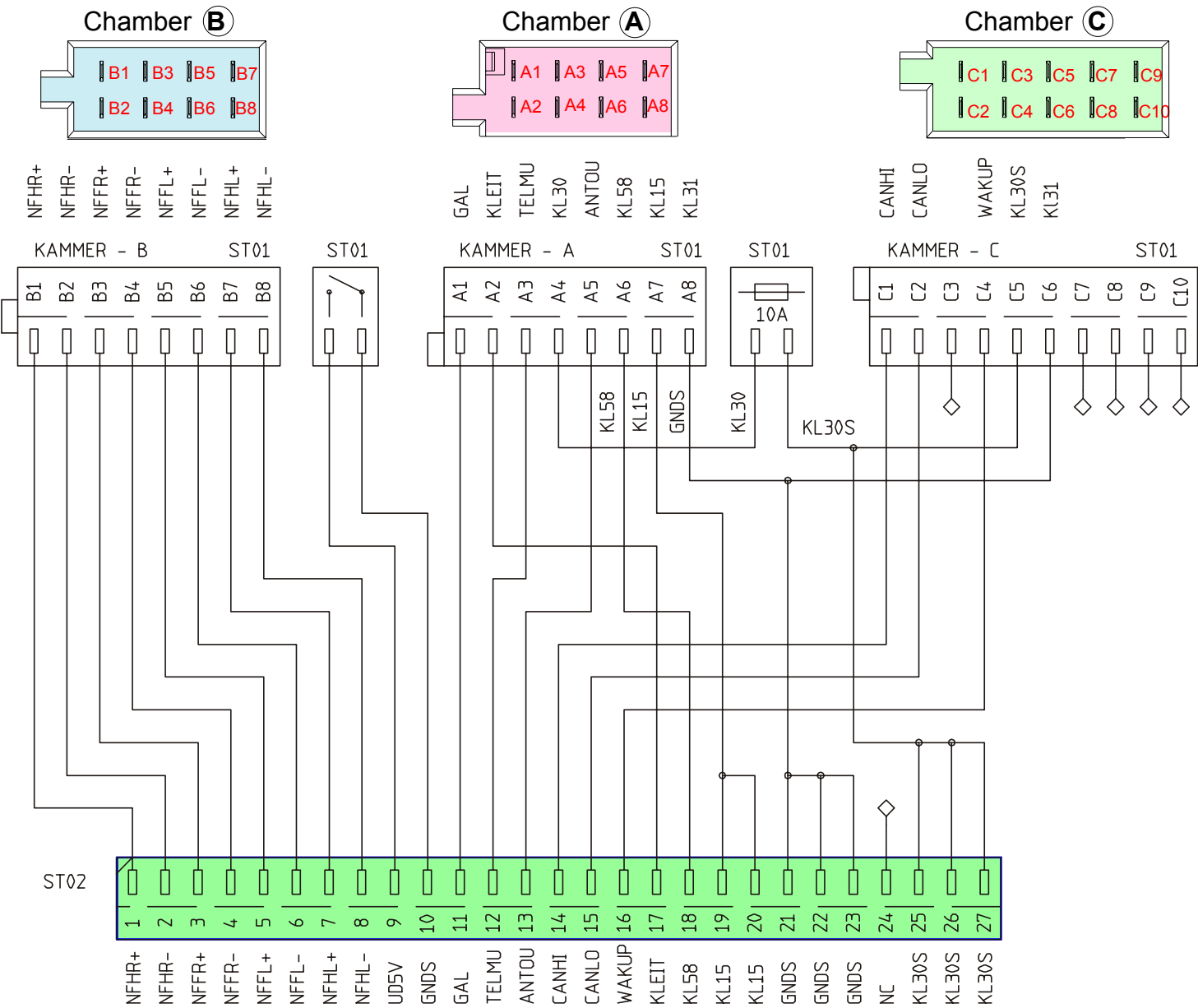
Front-Interface (Board 4010) ..... 16

Front-□P, Keyboard central and right (Board 9090) 17

Tastatur links (Board 9060) ..... 18

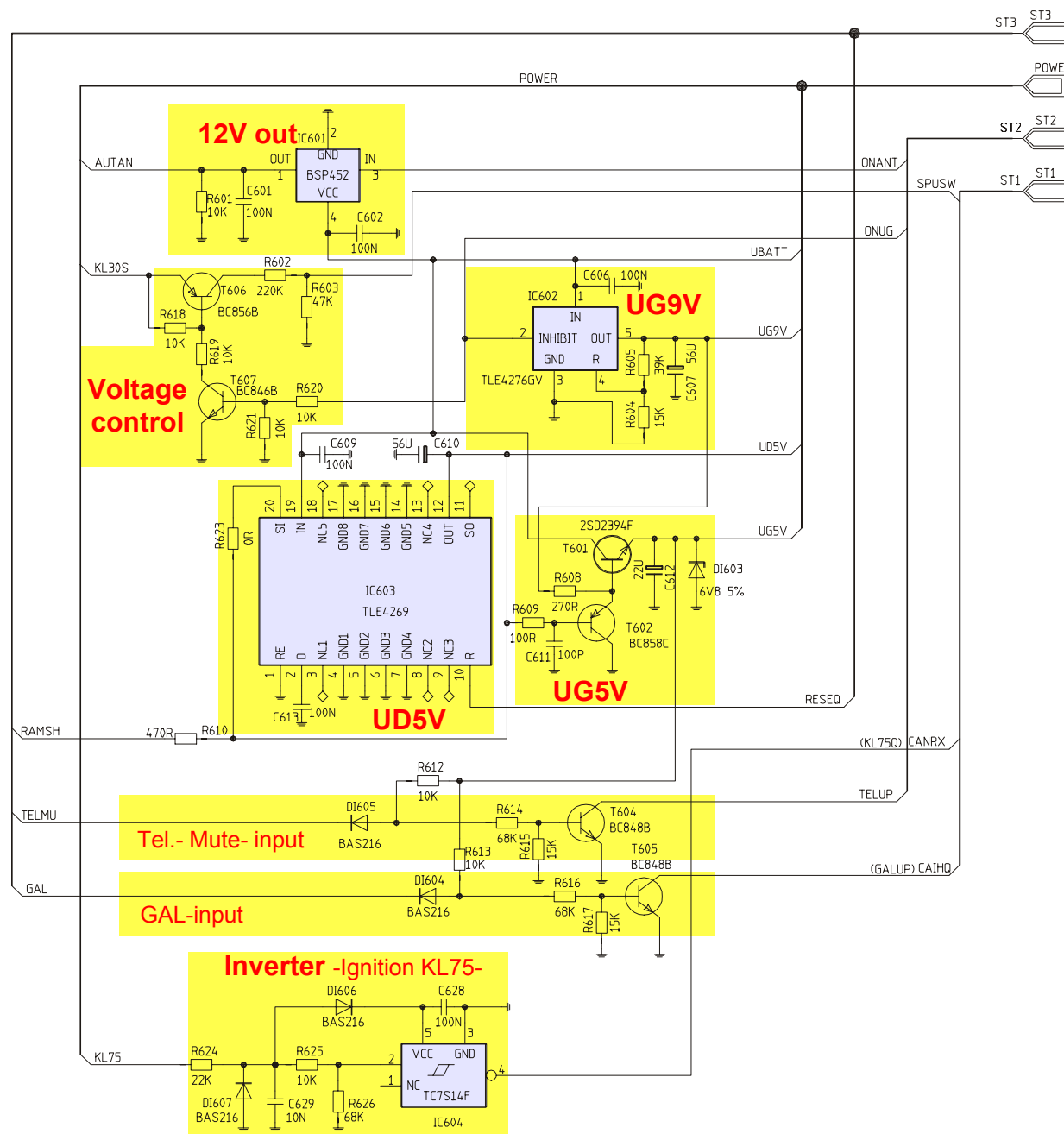
Display (Board 9080) ..... 19



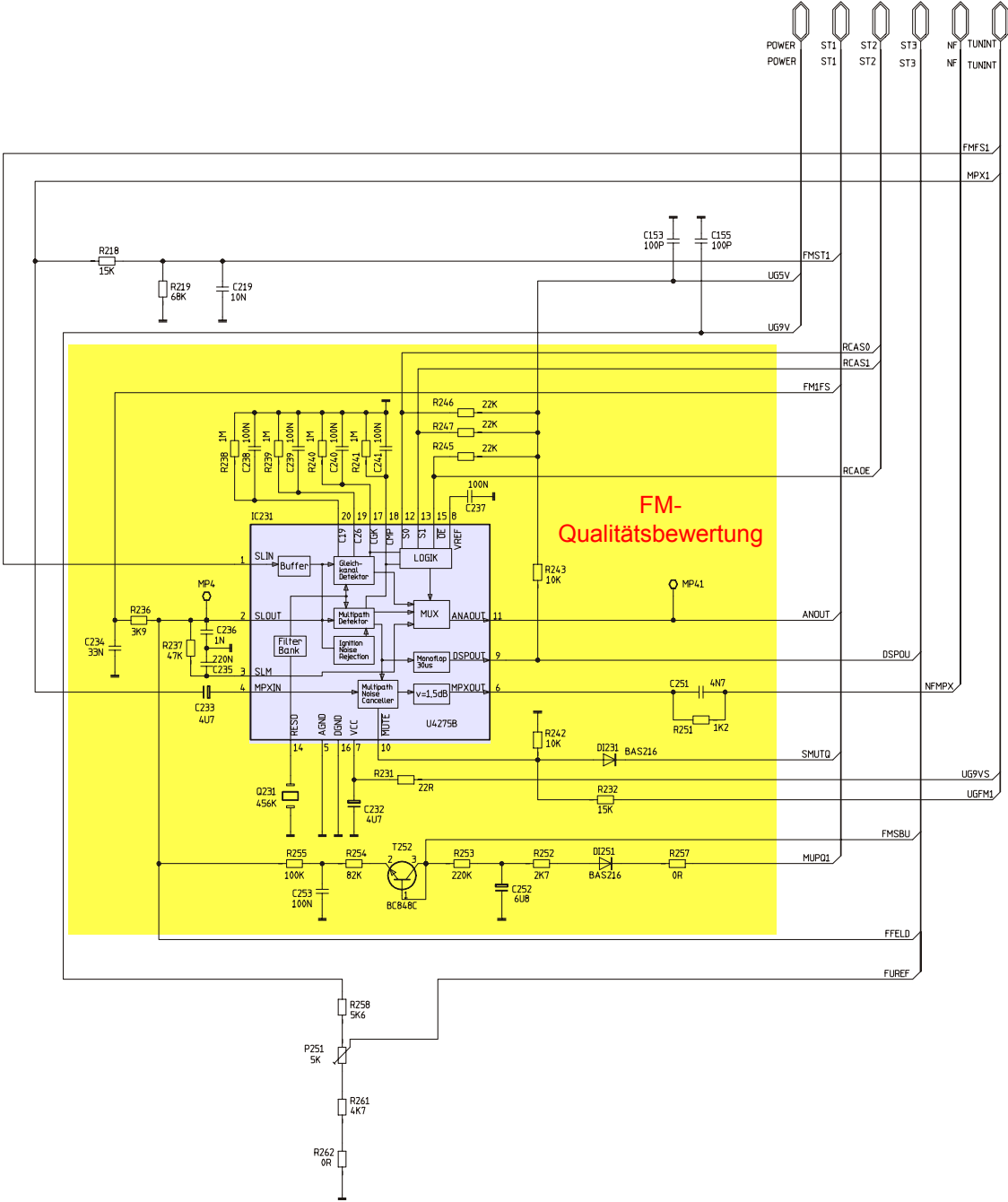


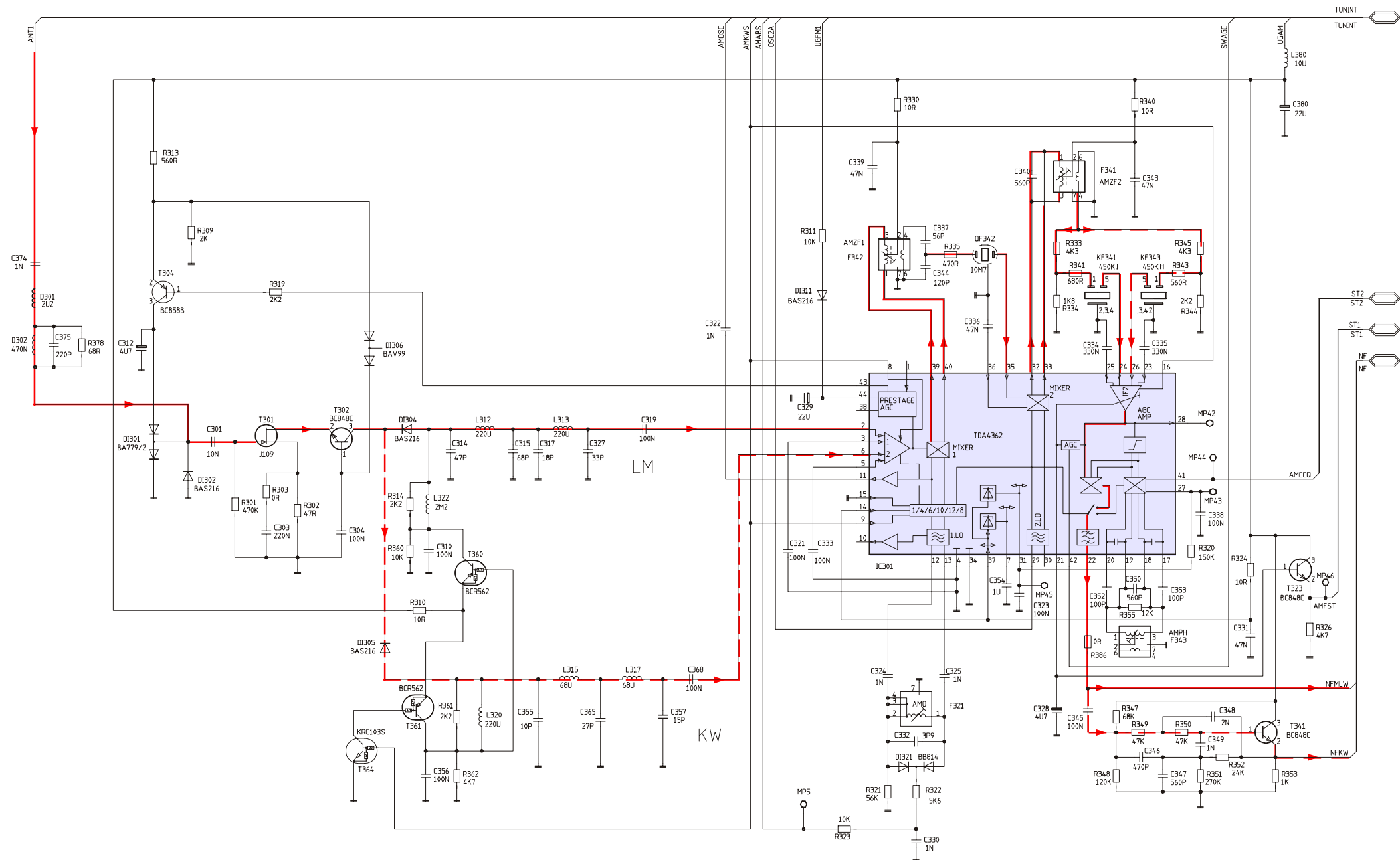
PIN	Chamber A	Chamber B	Chamber C
1	Speed dependent Vol. control	Loudspeaker rear right +	not assigned
2	K-line	Loudspeaker rear right -	not assigned
3	Telephone mute	Loudspeaker front right +	not assigned
4	Terminal 30, Battery	Loudspeaker front right -	Wake up line
5	Control output 12V	Loudspeaker front left +	Battery 12V Fuse
6	Battery 12V Fuse	Loudspeaker front left -	Terminal 31, Ground
7	Terminal 15, Ignition	Loudspeaker rear left +	not assigned
8	Terminal 31, Ground	Loudspeaker rear left -	not assigned
9			not assigned
10			not assigned

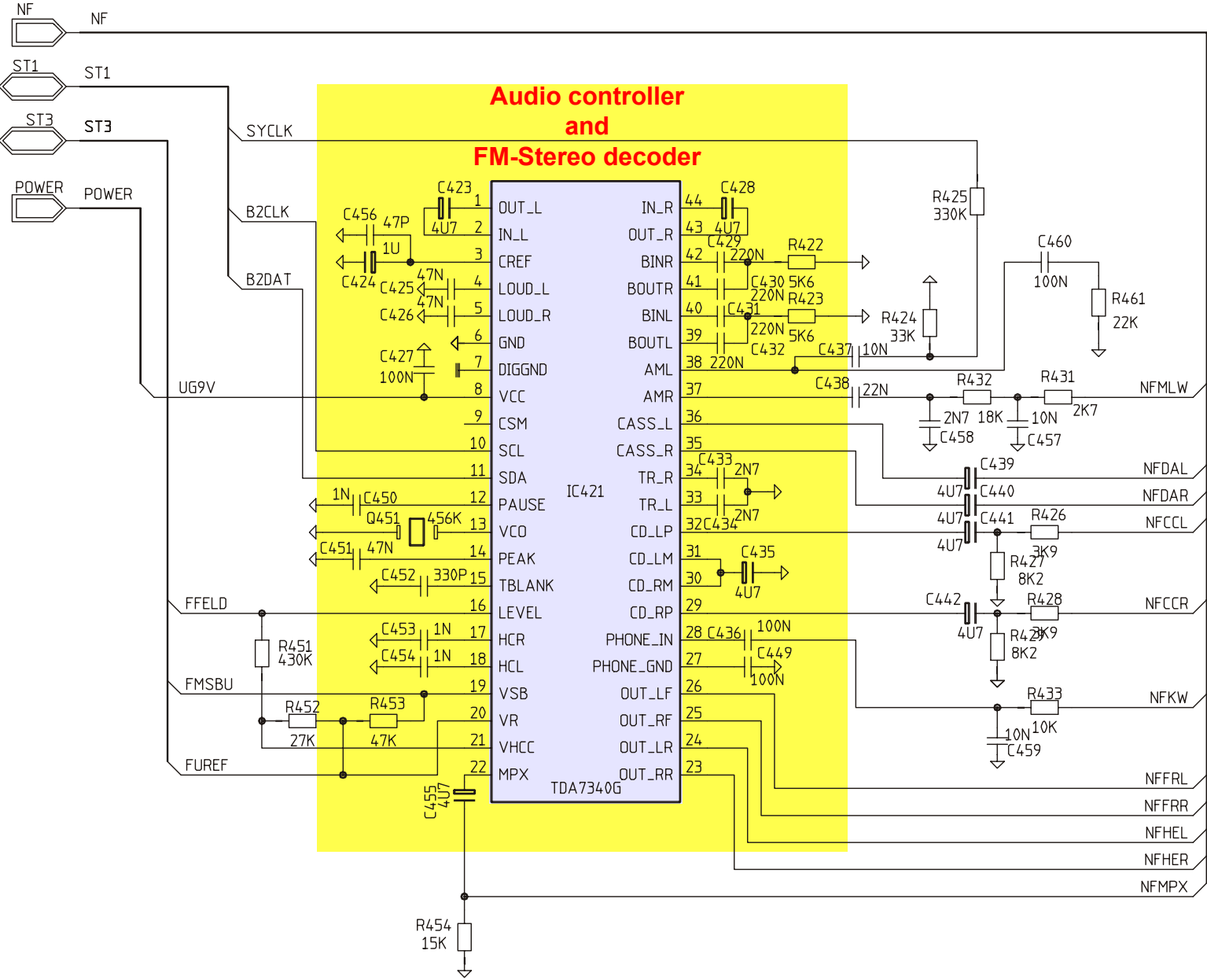


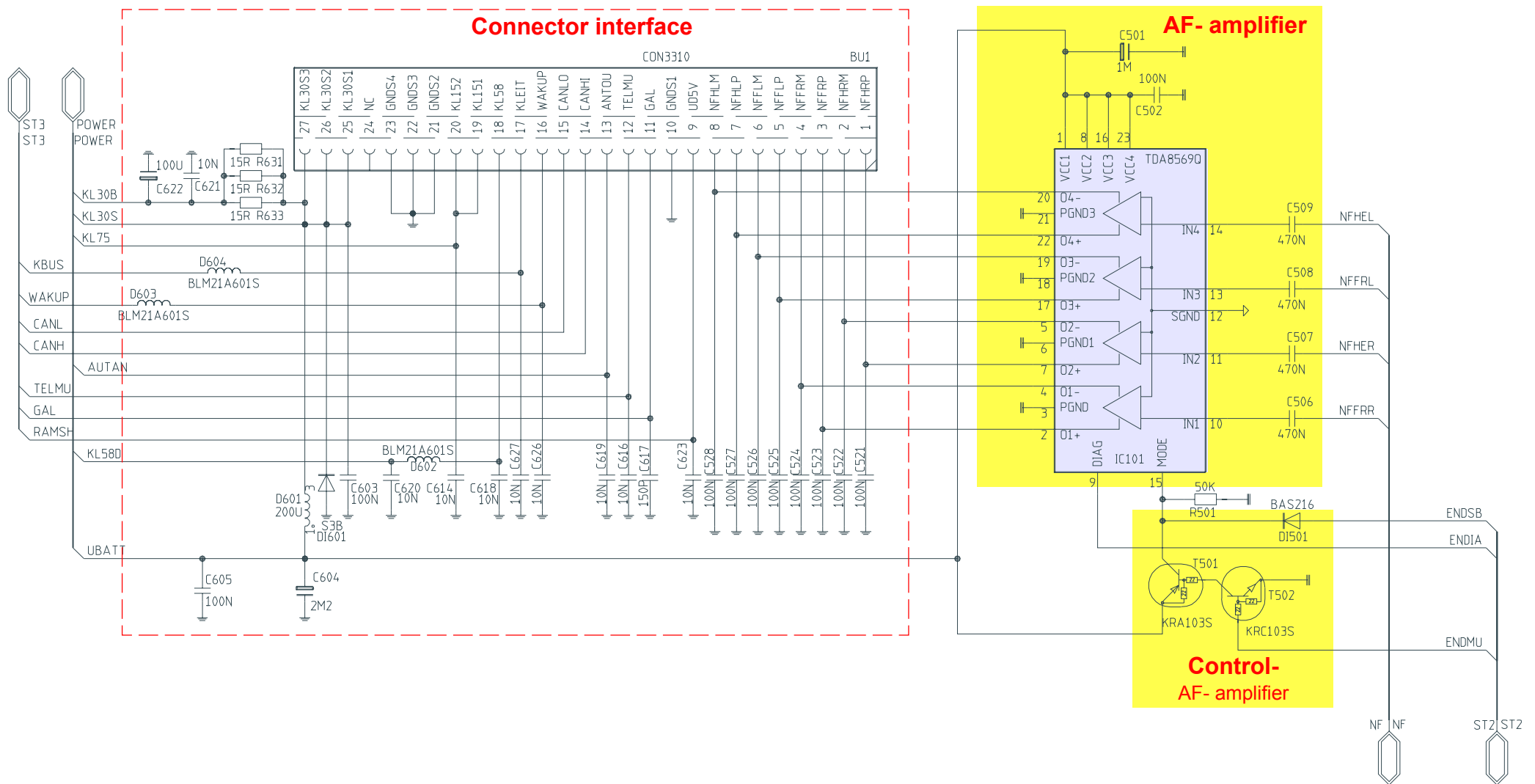


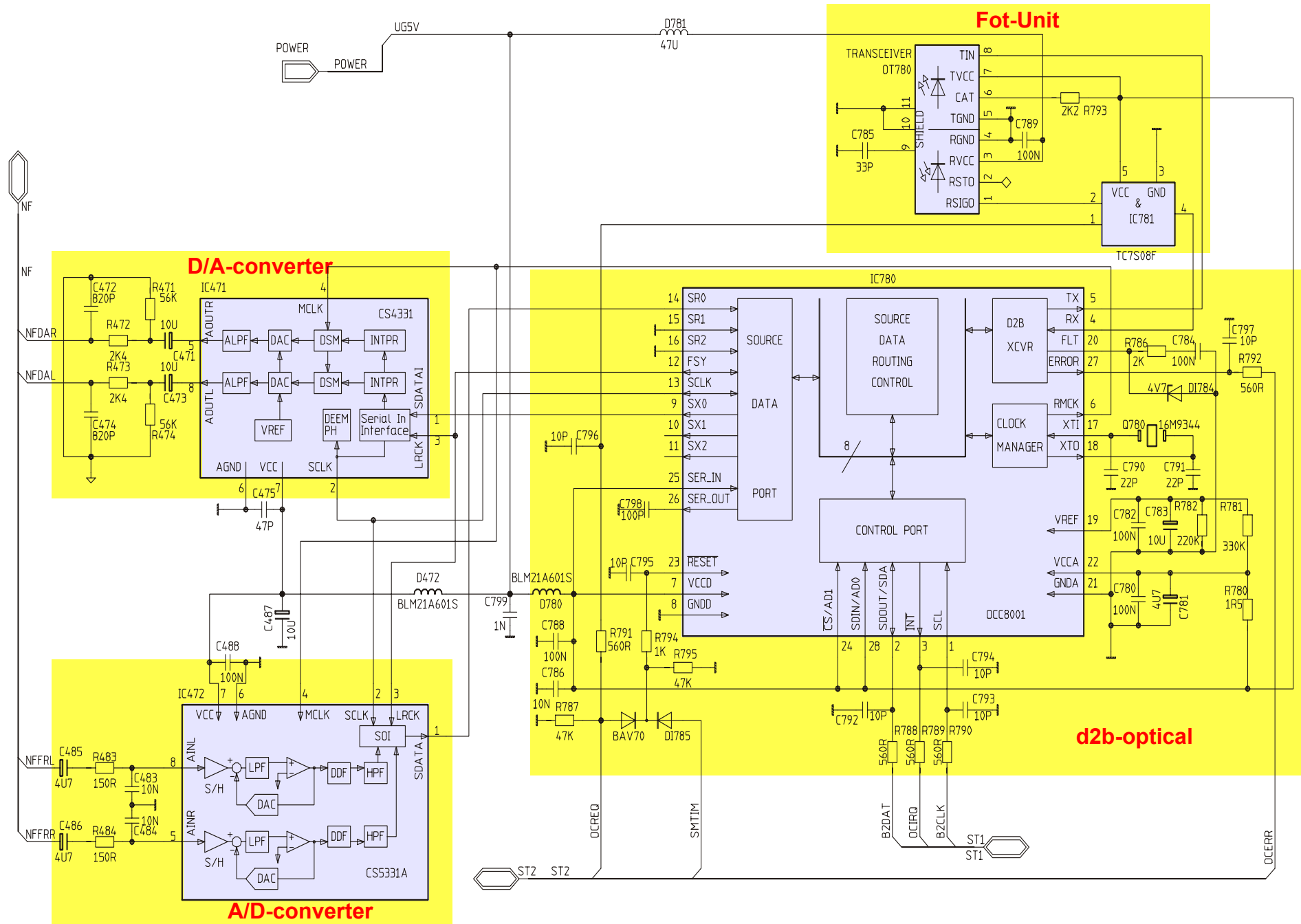


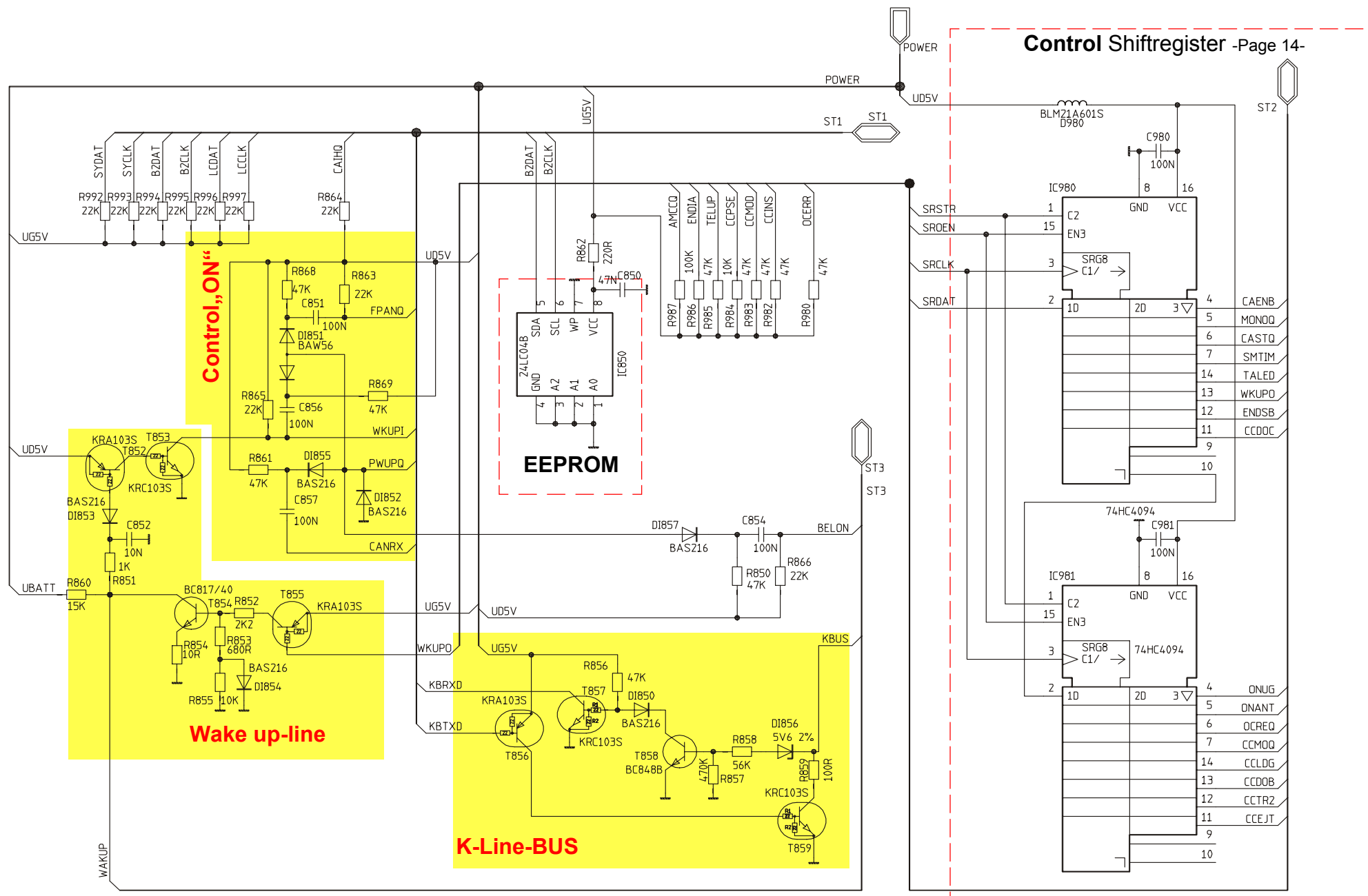


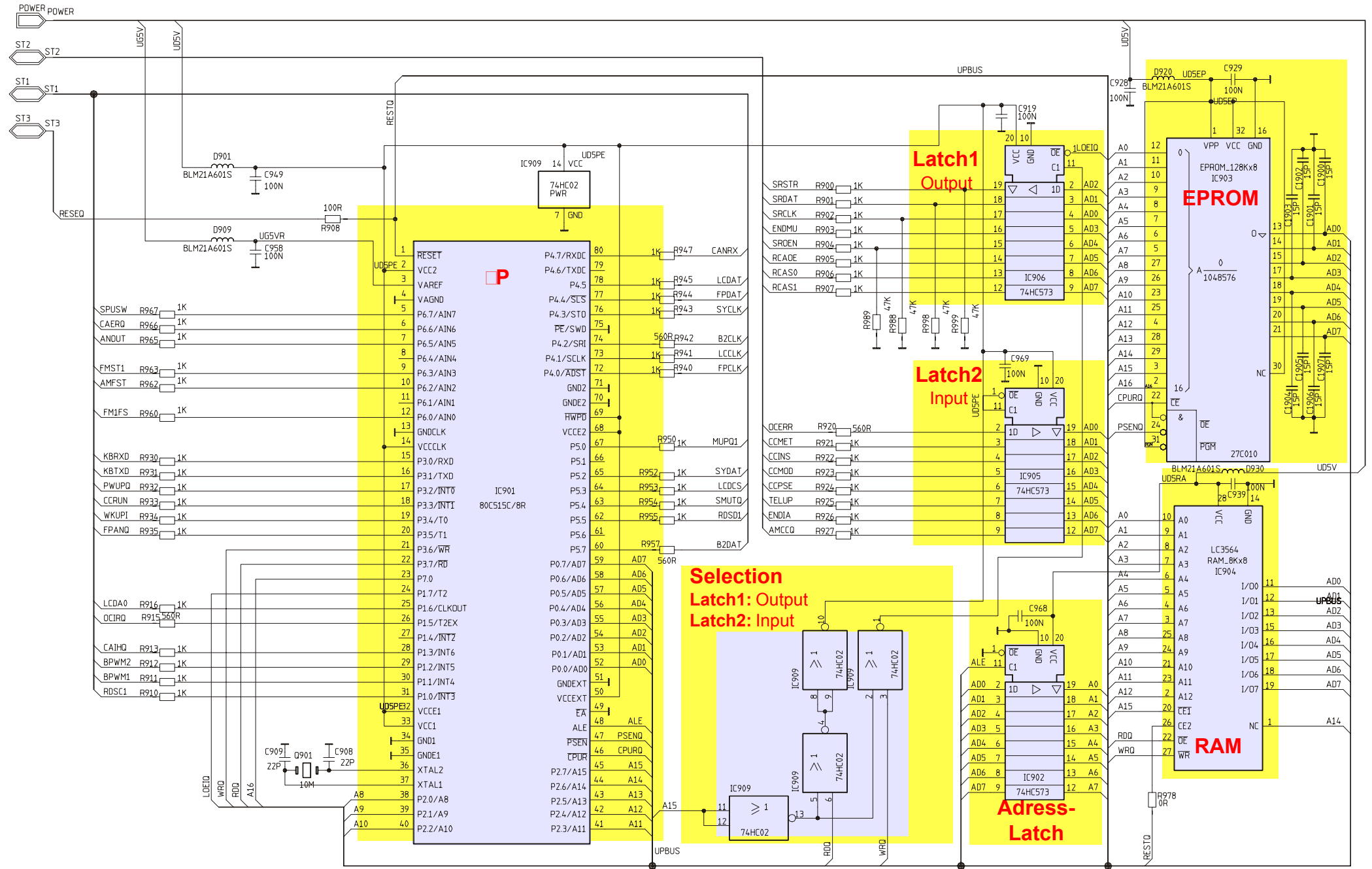


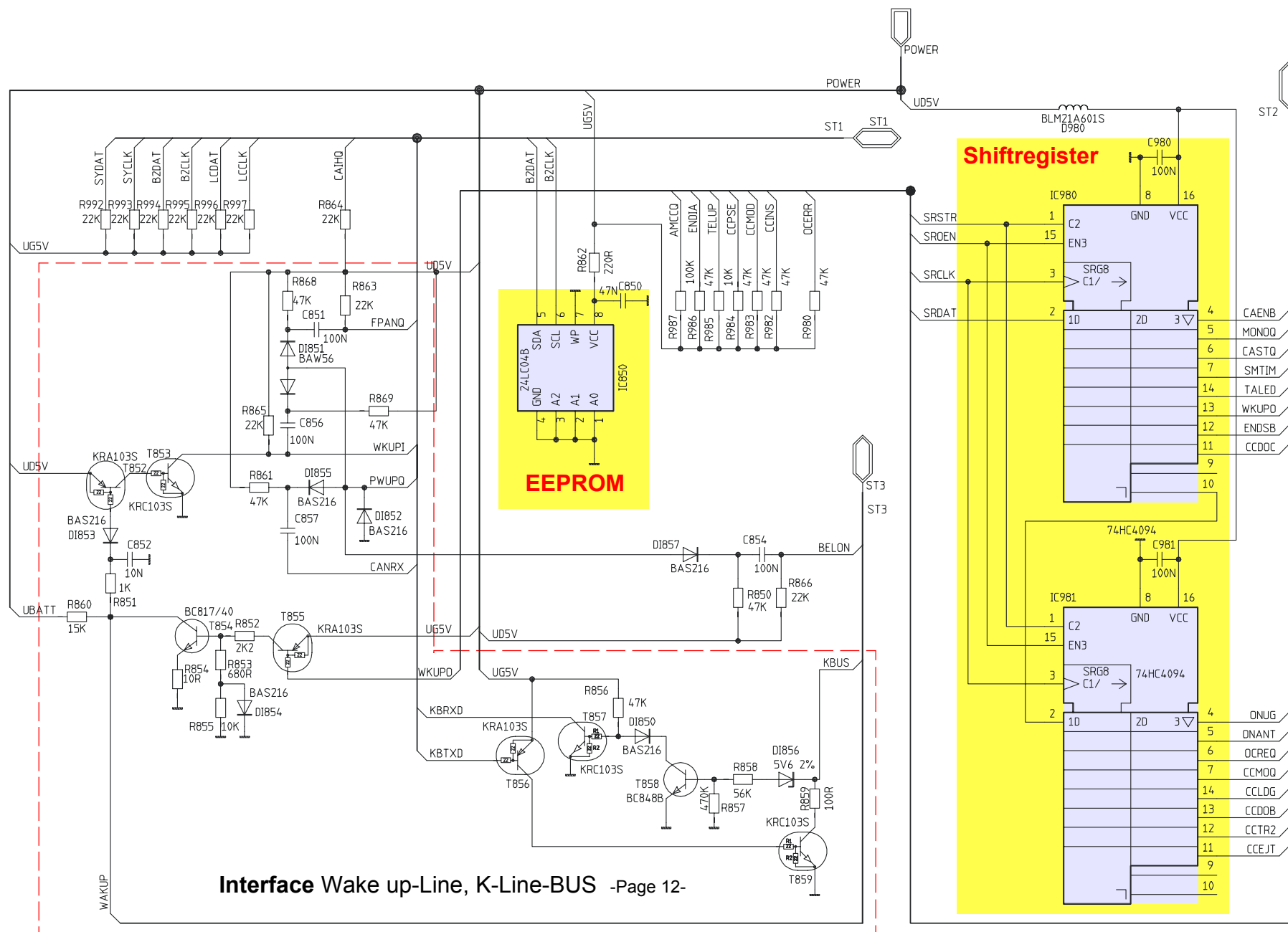


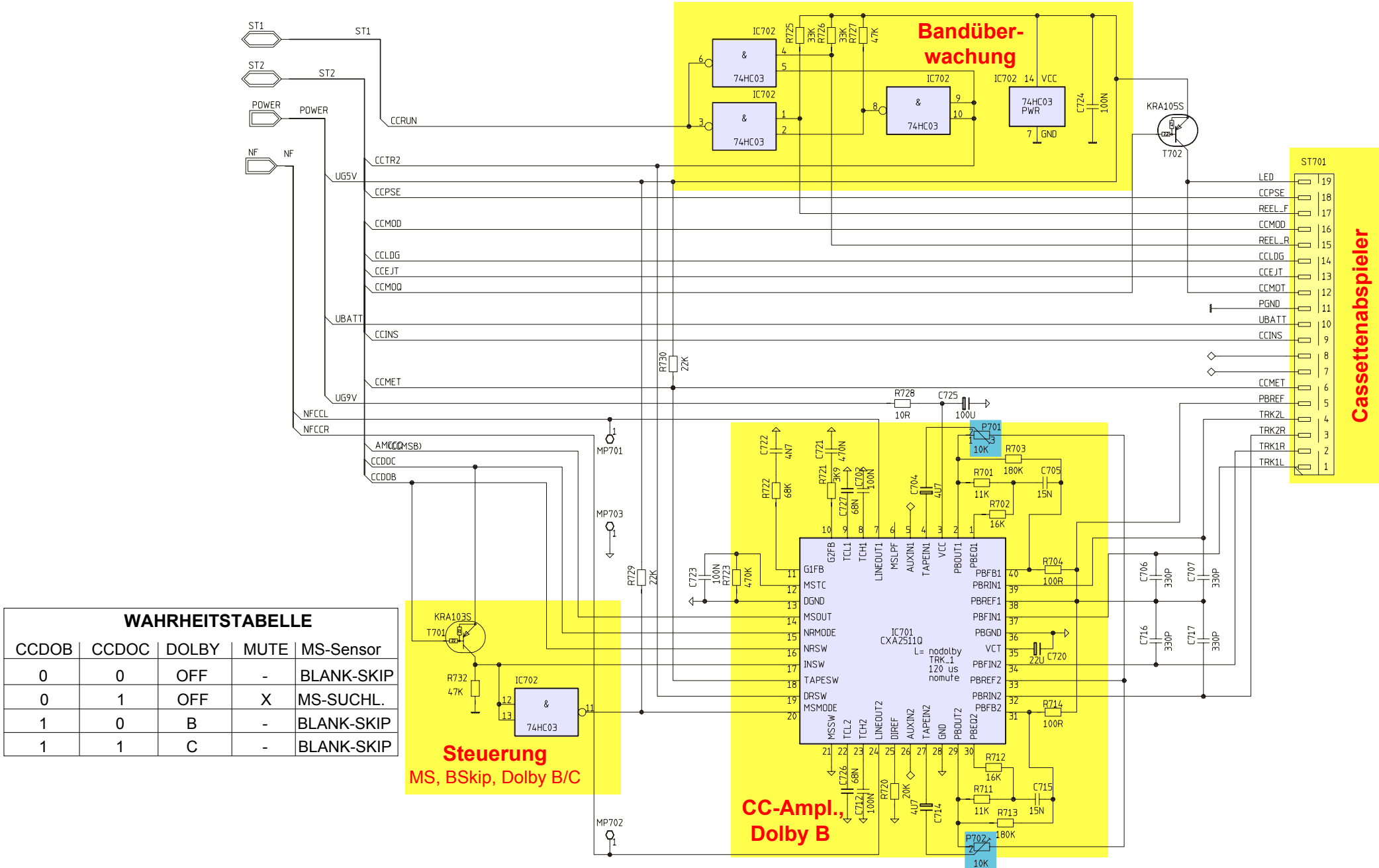


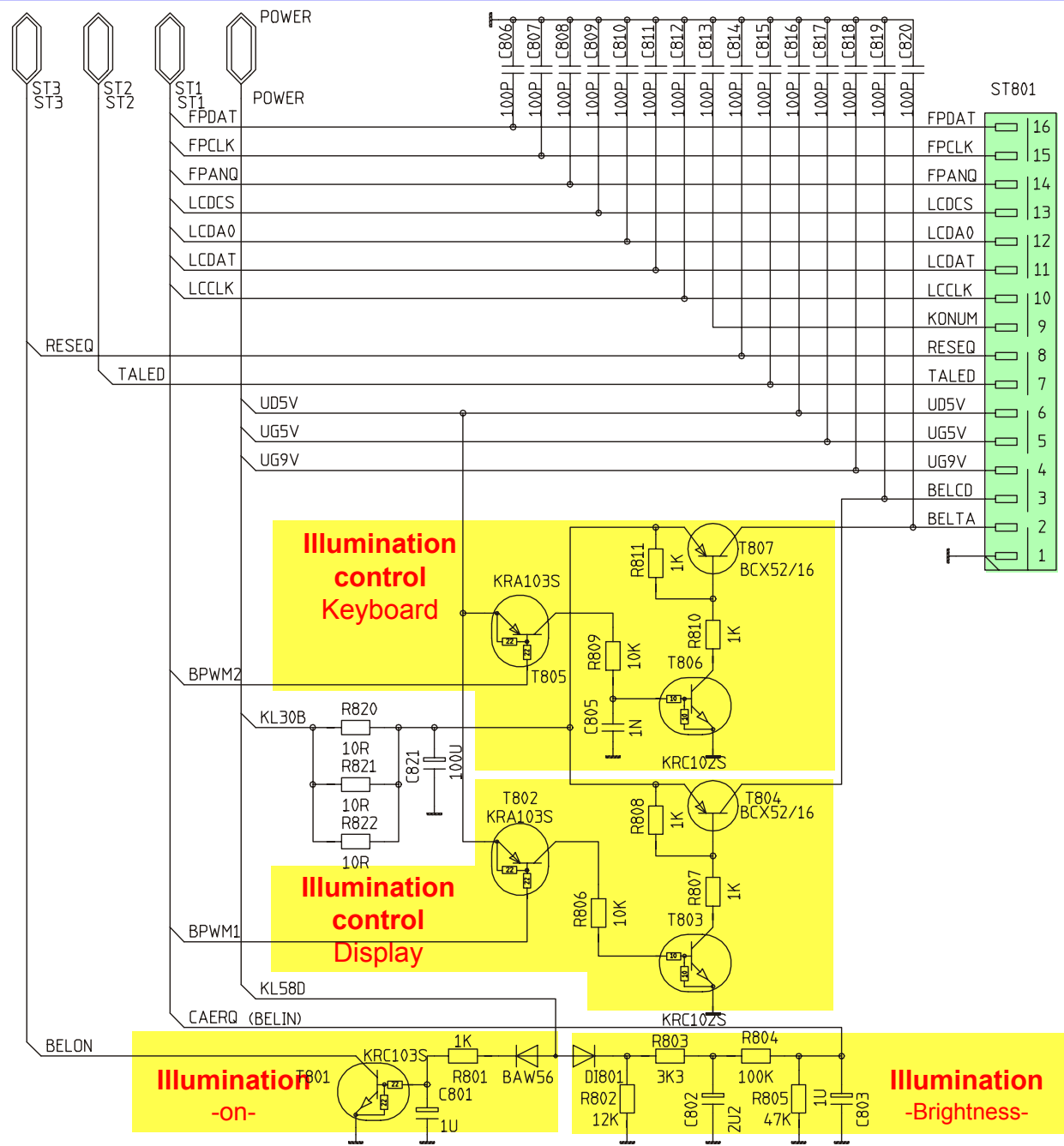


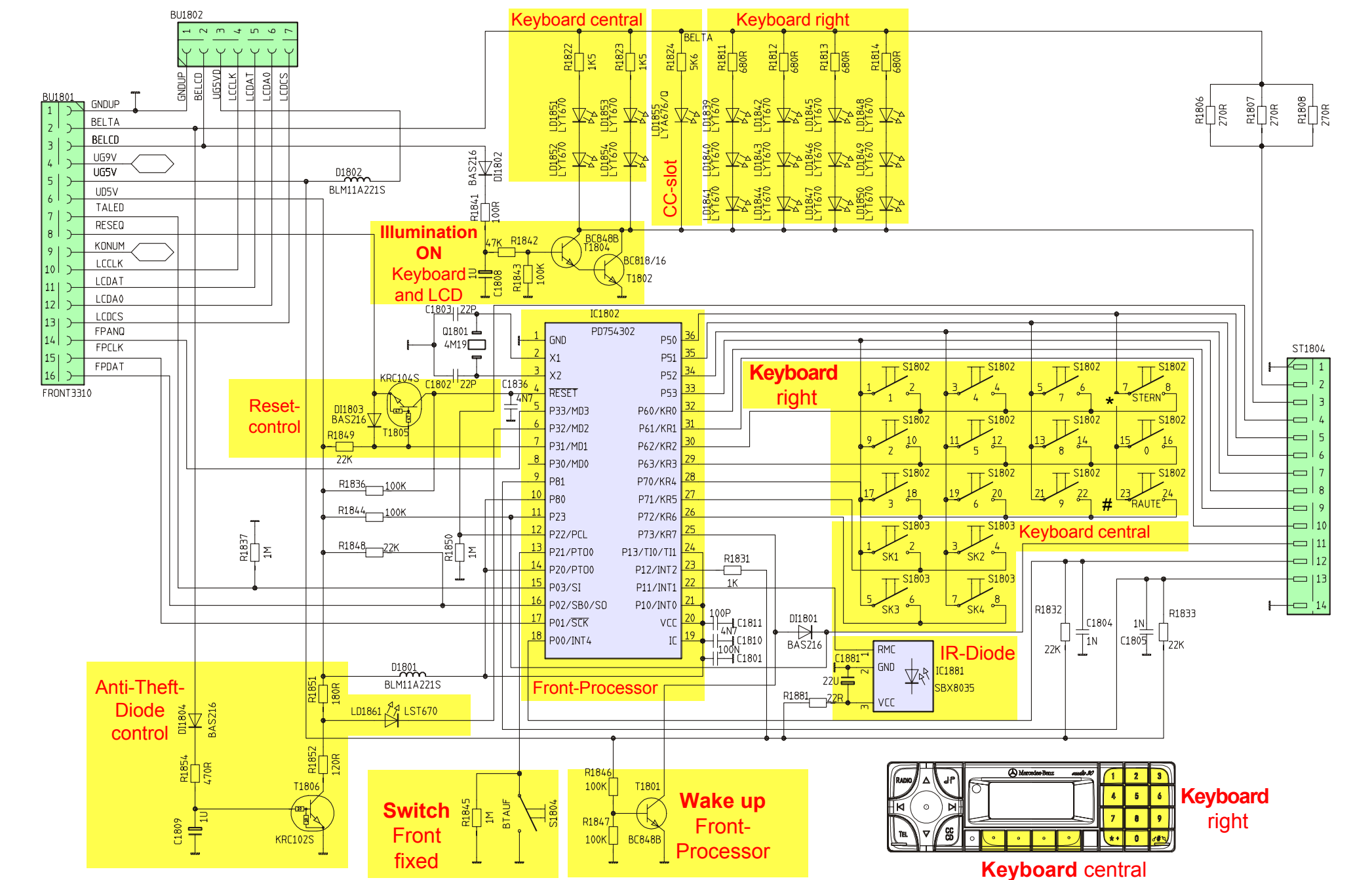


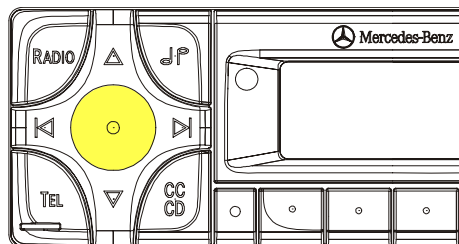
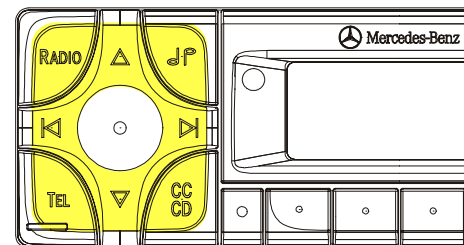


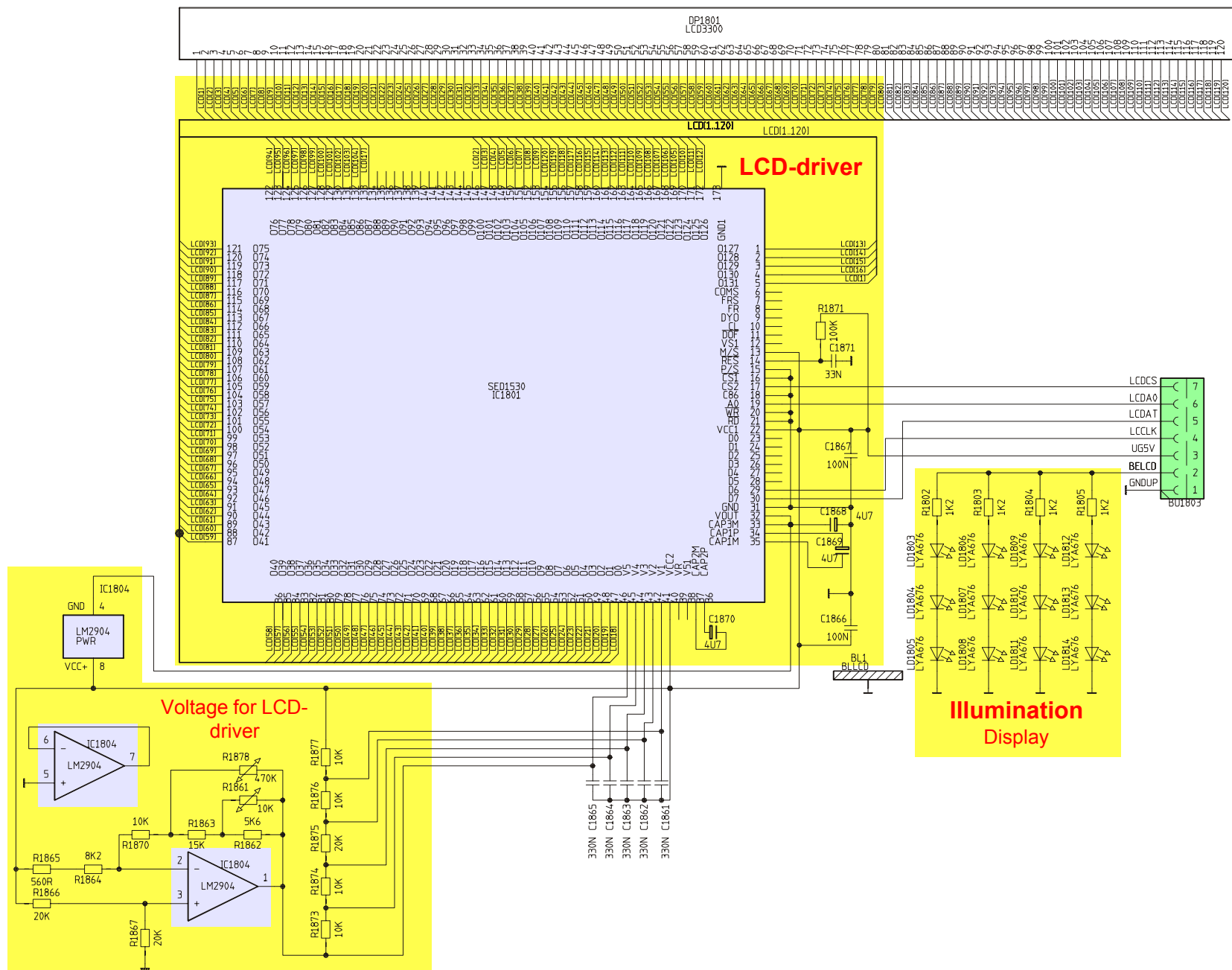












## Blockdiagram

Main Board 4010 ..... 2

## Connector

Connector block (Board 4040) ..... 3

Connector interface (Board 4010) ..... 4

## Power supply

UG9V; UD5V; UG5V (Board 4010) ..... 5

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□P-control (Board 4010) ..... 13

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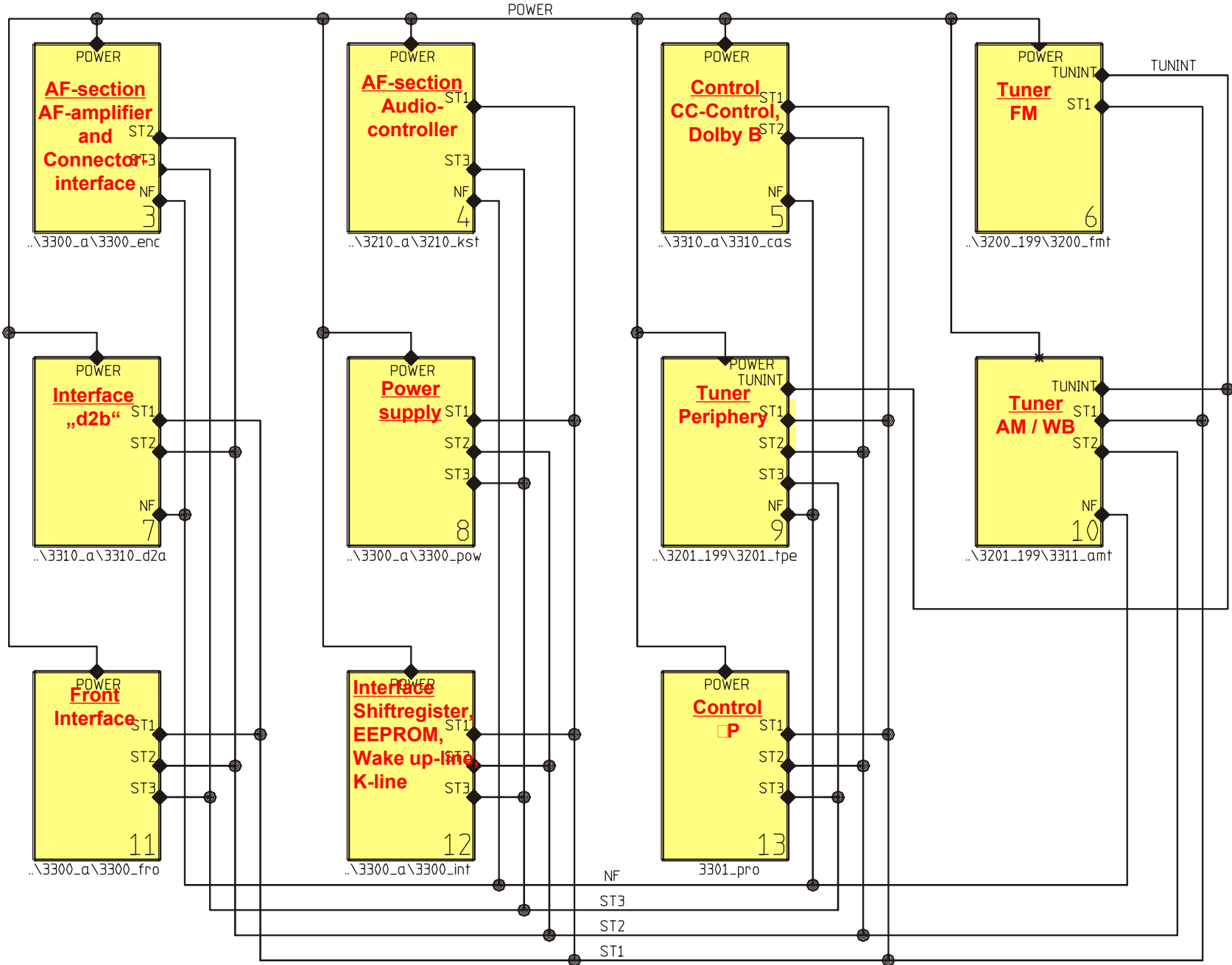
## Front

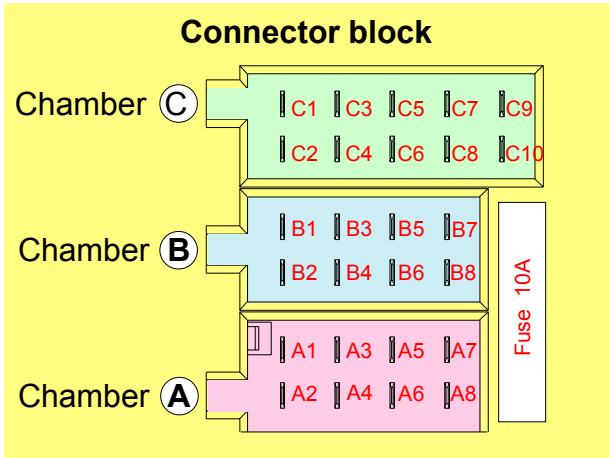
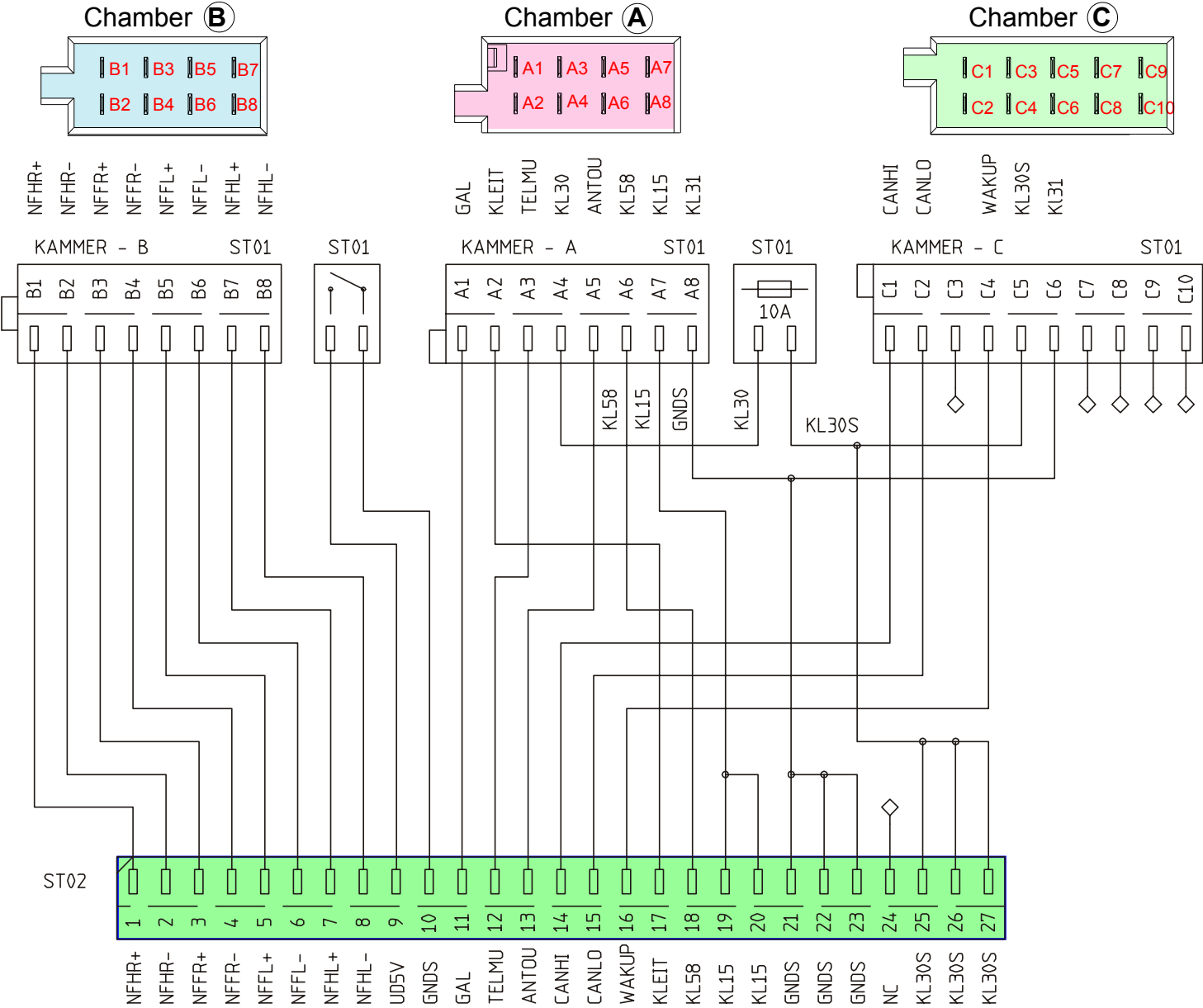
Front-Interface (Board 4010) ..... 16

Front-□P, Keyboard central and right (Board 9090) 17

Tastatur links (Board 9060) ..... 18

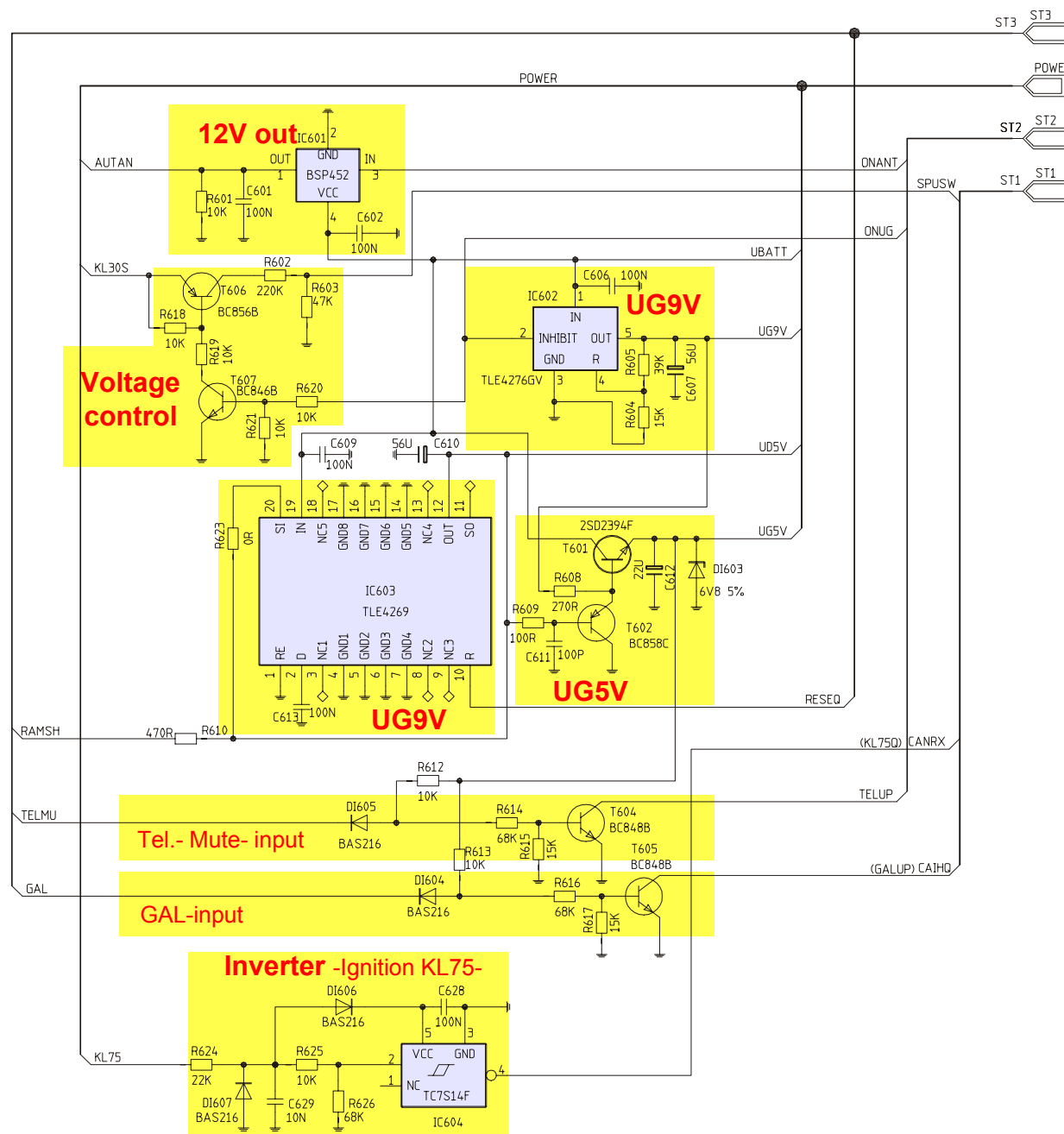
Display (Board 9080) ..... 19

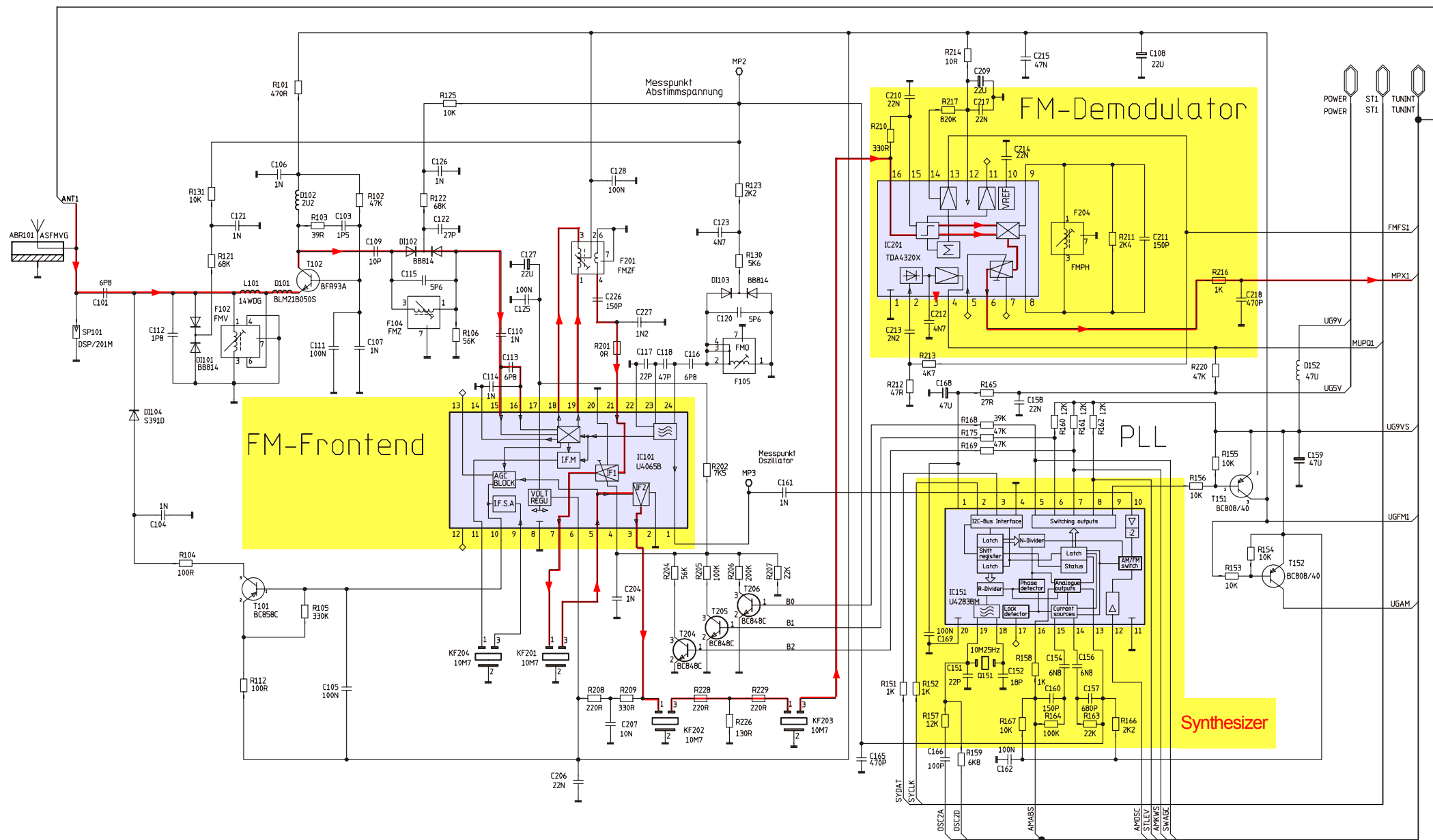


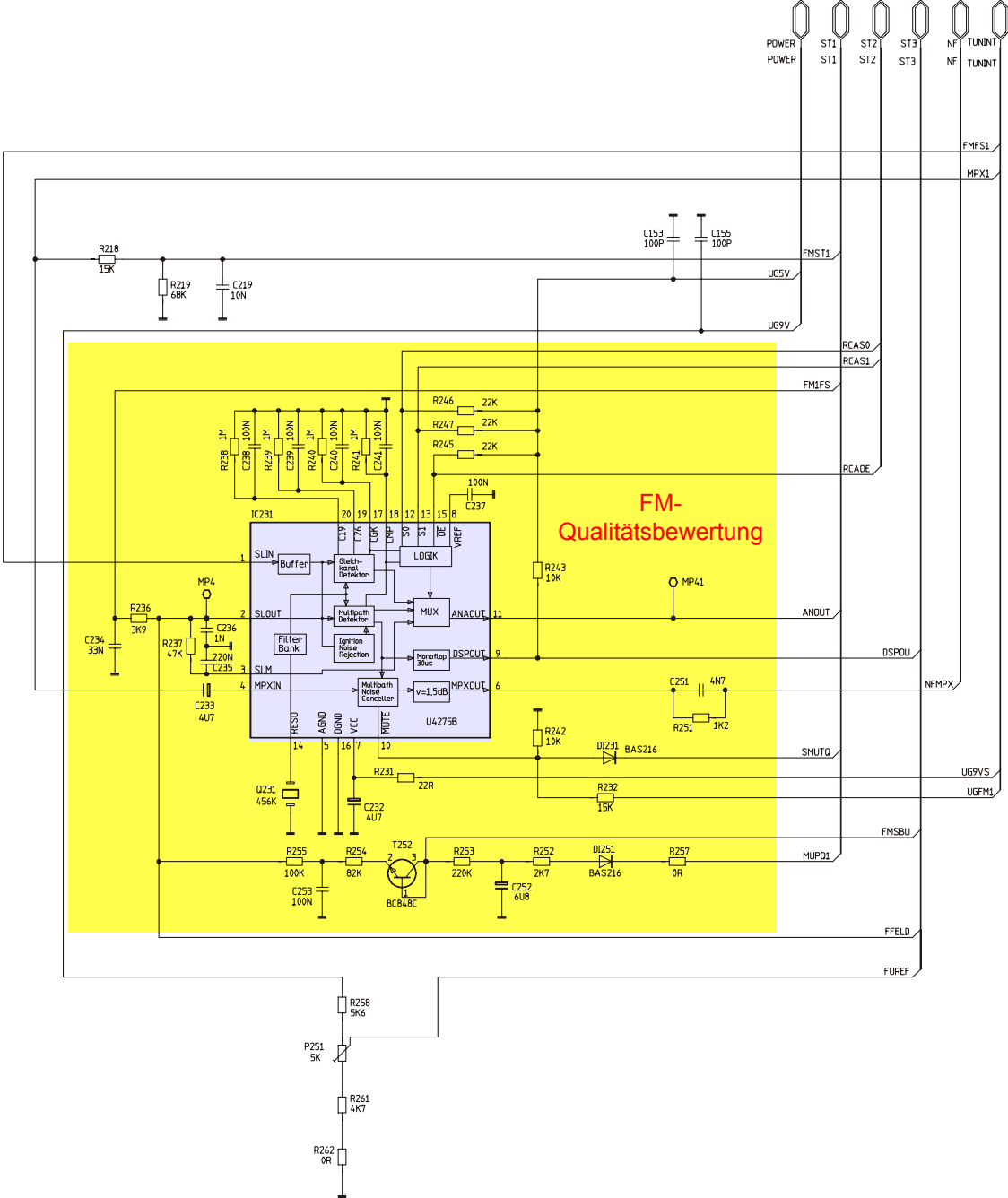


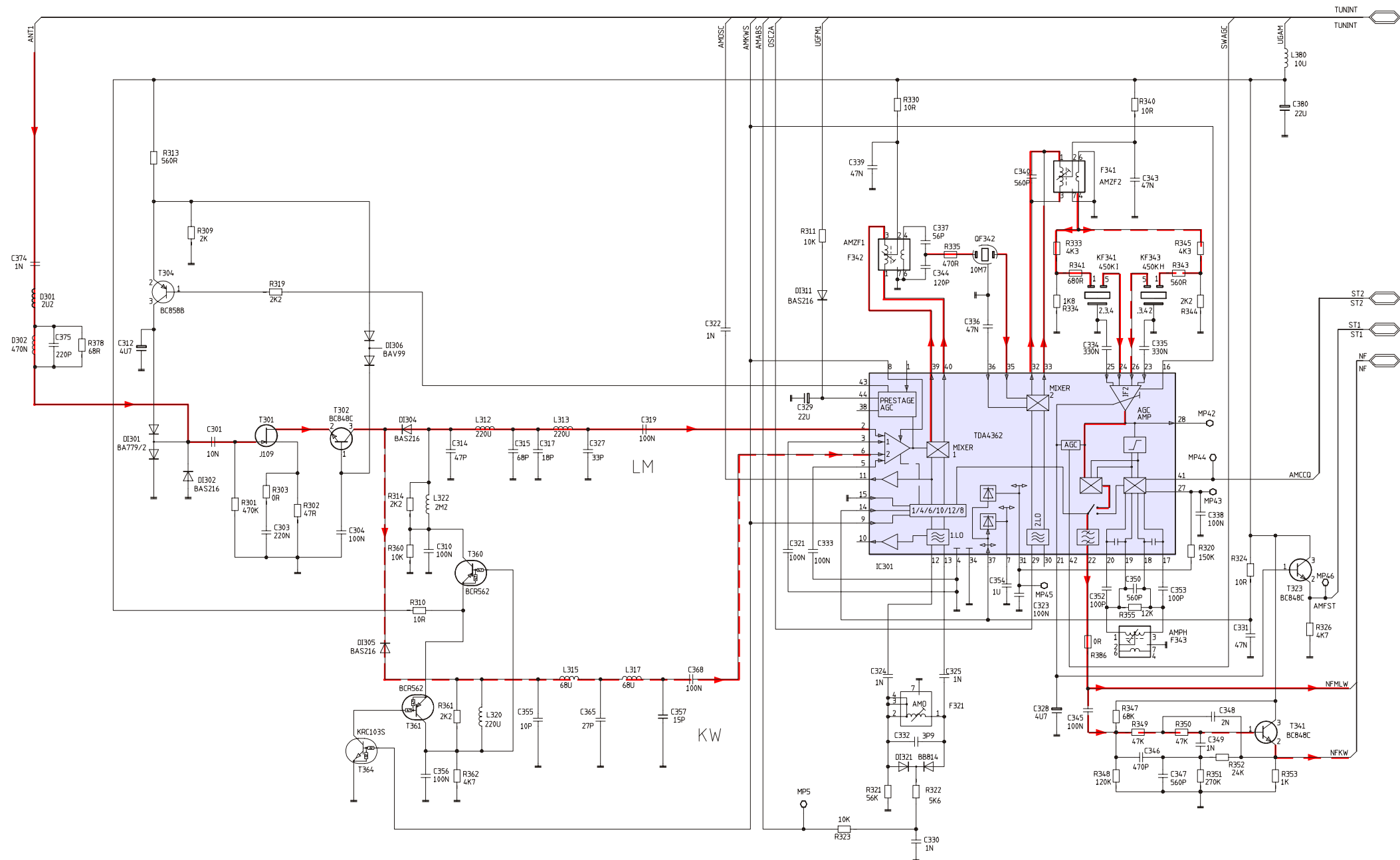
PIN	Chamber A	Chamber B	Chamber C
1	Speed dependent Vol. control	Loudspeaker rear right +	not assigned
2	K-line	Loudspeaker rear right -	not assigned
3	Telephone mute	Loudspeaker front right +	not assigned
4	Terminal 30, Battery	Loudspeaker front right -	Wake up line
5	Control output 12V	Loudspeaker front left +	Battery 12V Fuse
6	Battery 12V Fuse	Loudspeaker front left -	Terminal 31, Ground
7	Terminal 15, Ignition	Loudspeaker rear left +	not assigned
8	Terminal 31, Ground	Loudspeaker rear left -	not assigned
9			not assigned
10			not assigned

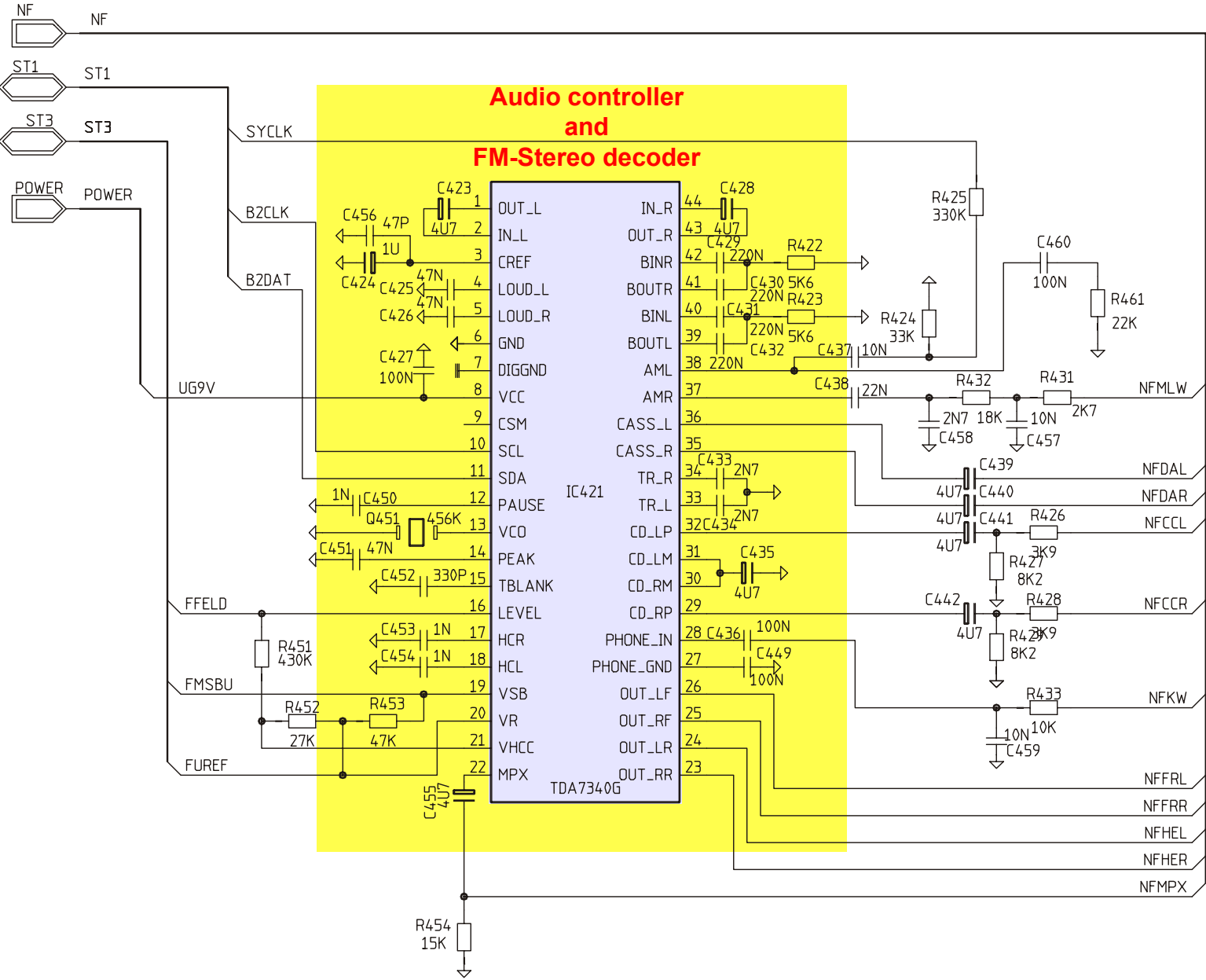


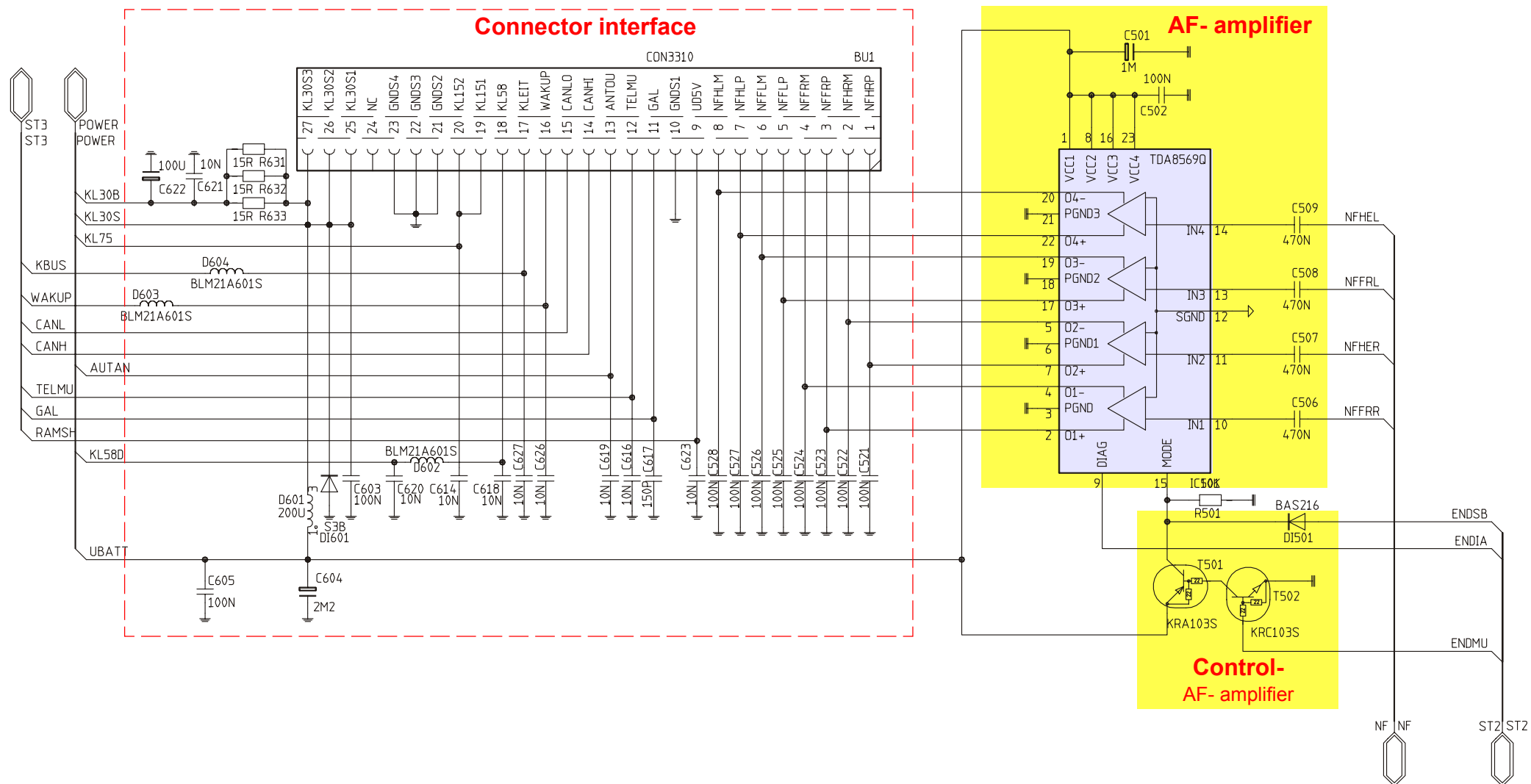


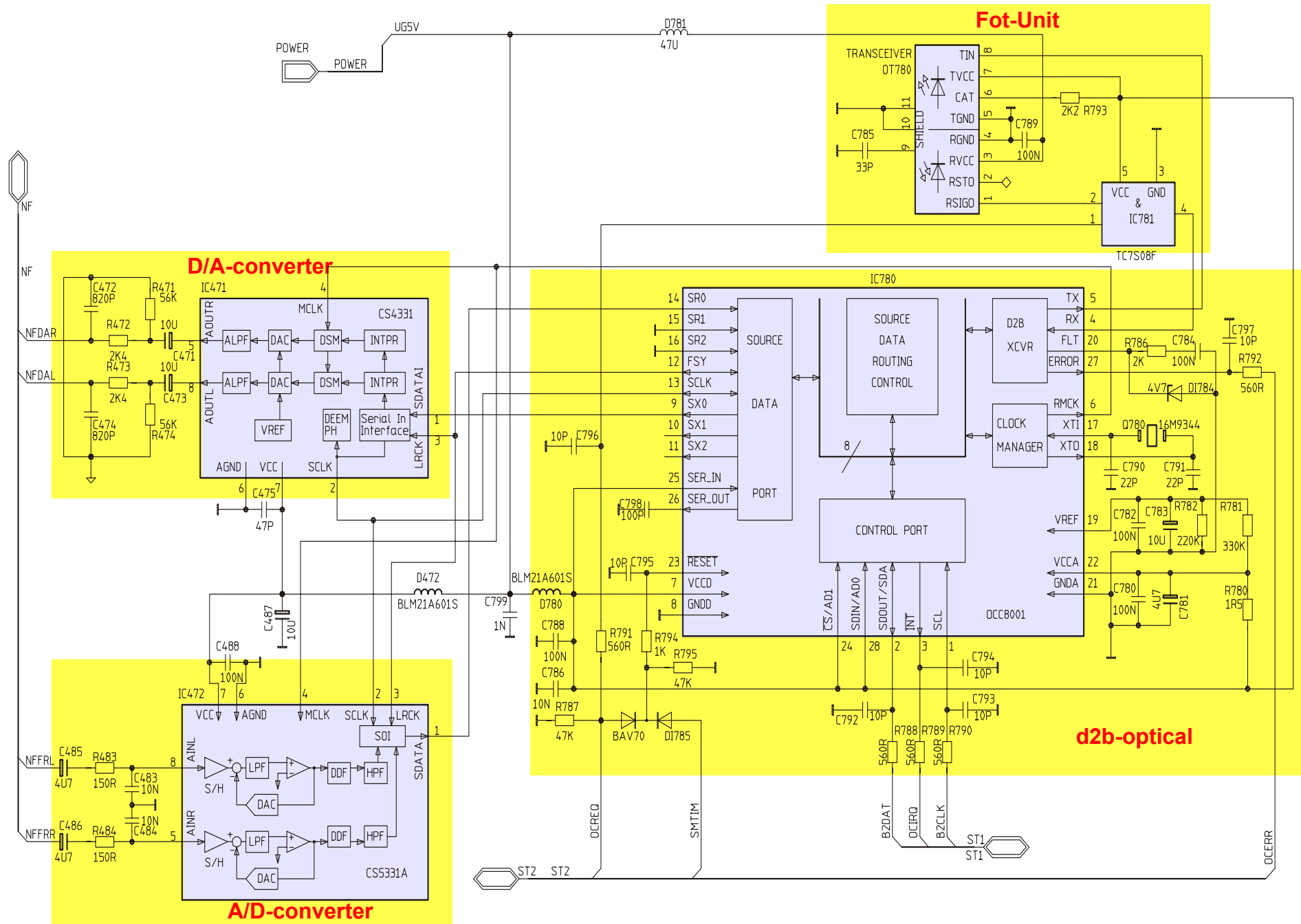


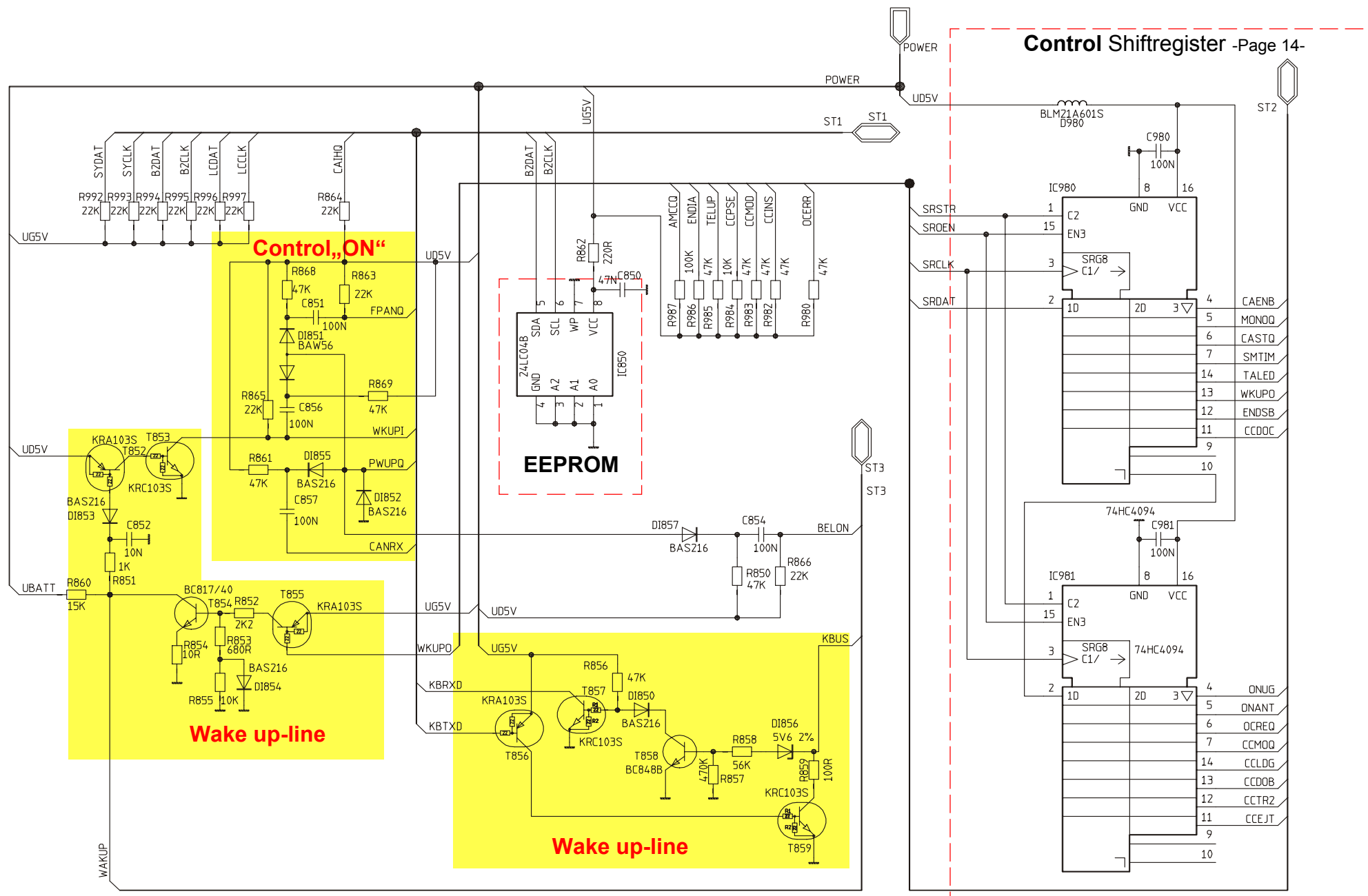


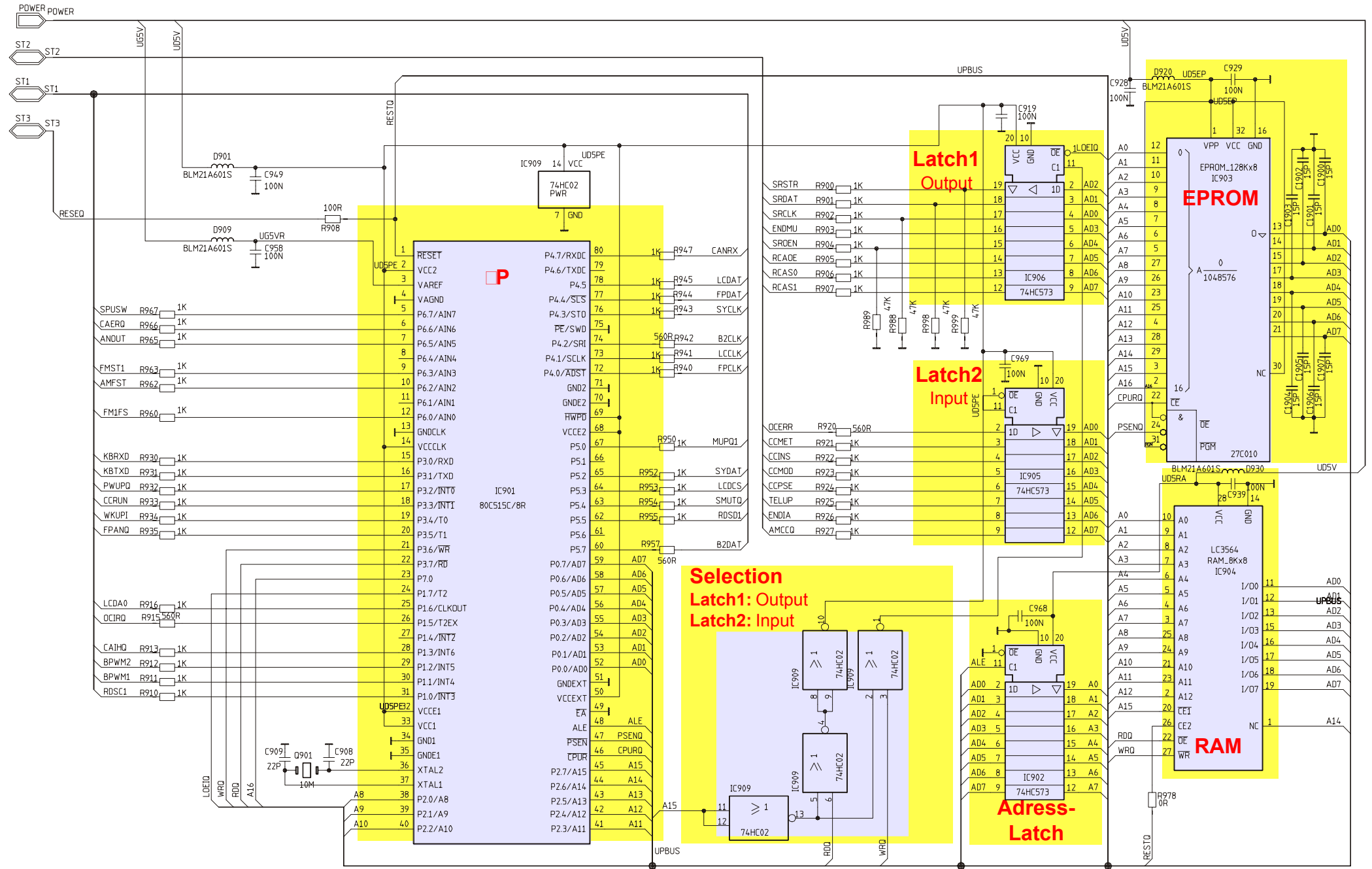


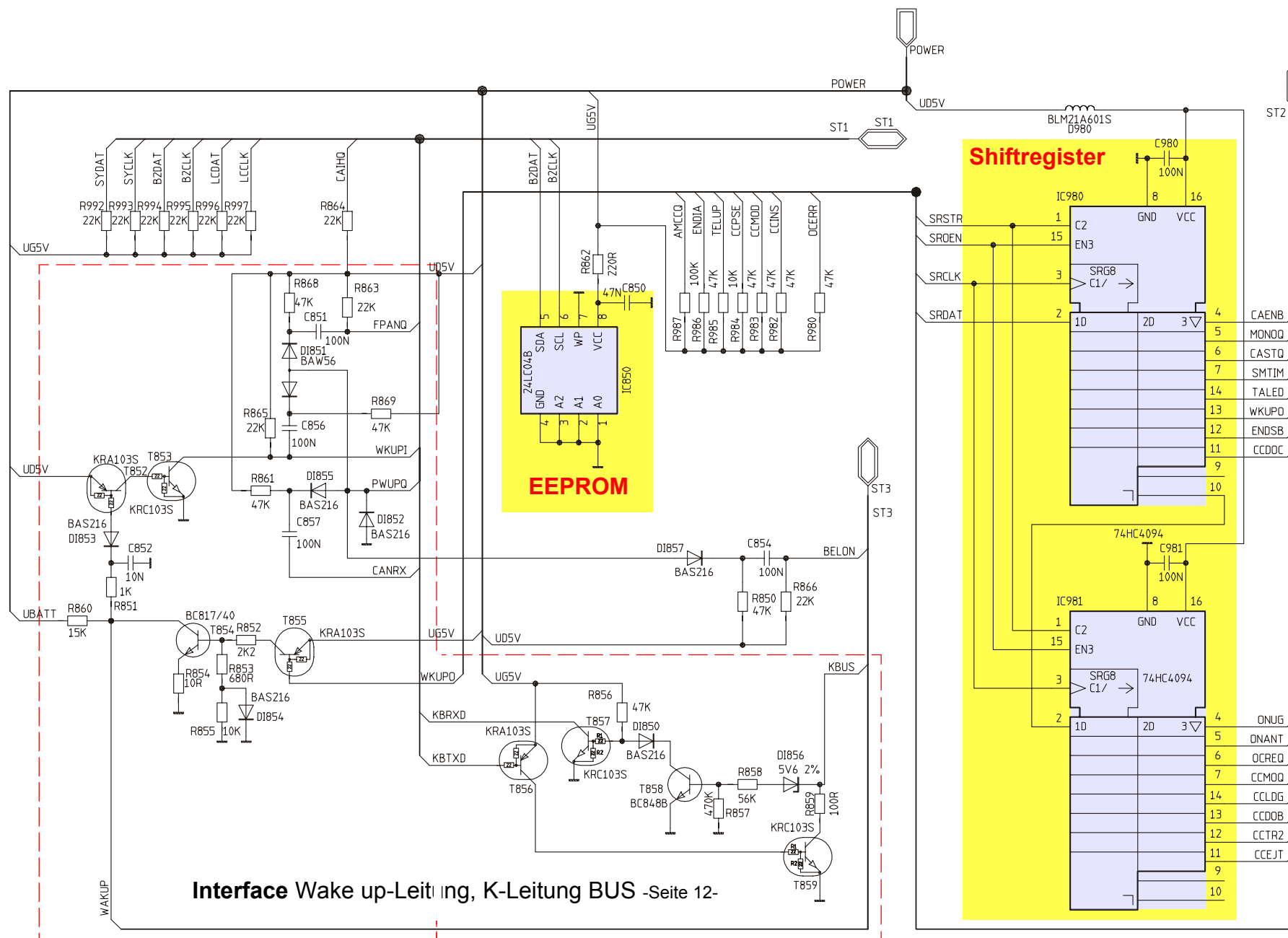












Interface Wake up-Leitung, K-Leitung BUS -Seite 12-

